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Standard**

HEBEI KANGBAO SANXIATIAN WIND FARM PROJECT

Document Prepared by Beijing Shutu Technology Co.,Ltd.

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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 118,354.5 MWh and the estimated emission reduction are 124,846 tCO₂e annually.

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 01/10/2015-27/11/2019. The total GHG emission reductions of the project achieved in this monitoring period are 549,180 tCO₂e.

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

Organization name	Hebei Construction Investment New Energy Co., Ltd
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Title	Manager
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1.4 Other Entities Involved in the Project

Organization name	Beijing Shutu Technology Co.,Ltd.
Role in the Project	Project participant
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Title	Manager
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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 the registered PD, the crediting period is from 01/06/2010 or the date of registration date whichever is later.

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 (10years, 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.

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 project applies the approved consolidated baseline and monitoring methodology ACM0002 “Consolidated baseline methodology for grid-connected electricity generation from renewable sources” (Version 10.).

The methodology also refers to the following tools:

Tool to calculate the emission factor for an electricity system (Version 02);

Tool for the demonstration and assessment of additionality (Version 05.2);

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 three times under CDM mechanism, with monitoring period from 26/11/2010 to 30/09/2015.

1.10 Other Forms of Credit

The project has been registered as a CDM project on 26/11/2010. It has been issued three times under CDM mechanism, with monitoring period from 26/11/2010 to 30/09/2015.

The emission reductions from 01/10/2015 to 27/11/2019 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.

2. Employment opportunities

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

3. 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.

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

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 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 use clean renewable energy to generate electricity whose environmental impact comply 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.

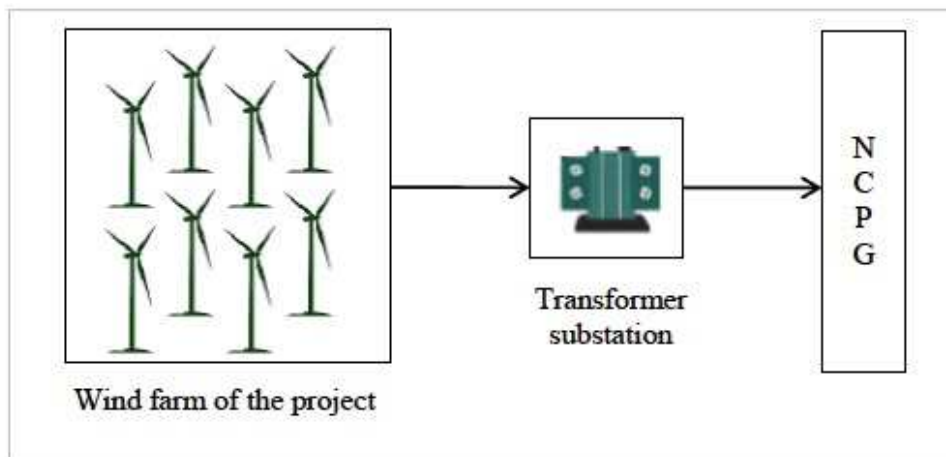


Figure 3. Process flow chart

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

3.2.1 Methodology Deviations

There is no methodology deviation in this monitoring period.

3.2.2 Project Description Deviations

There is a crediting period deviation in this monitoring period.

As stated in section 1.6, the VCS crediting period starts from 28/11/2009 and the total crediting period under VCS is from 28/11/2009 to 25/11/2031.

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	FC _{i,m,y}
Data unit	tonnes or m ³
Description	Amount of fossil fuel type i consumed by power plant / unit m in year y
Source of data	China Energy Statistical Yearbook (2005~2007)
Value applied	Annex 3 of registered PD
Justification of choice of data or description of measurement methods	Official statistical data

and procedures applied	
Purpose of Data	Calculation of baseline emissions
Comments	/

Data / Parameter	NCV _{j,y}
Data unit	kJ/kg or kJ/m ³
Description	Net calorific value (energy content) of fossil fuel type i in year y
Source of data	China Energy Statistical Yearbook (2007)
Value applied	Annex 3 of registered PD
Justification of choice of data or description of measurement methods and procedures applied	Official statistical data
Purpose of Data	Calculation of baseline emissions
Comments	/

Data / Parameter	EF _{CO₂,i,y}
Data unit	tCO ₂ e/GJ
Description	CO ₂ emission factor of fossil fuel type i in year y
Source of data	2006 IPCC Guidelines for National Greenhouse Gas Inventories
Value applied	Annex 3 of registered PD
Justification of choice of data or description of measurement methods and procedures applied	IPCC default value
Purpose of Data	Calculation of baseline emissions
Comments	/

Data / Parameter	Installed Capacity
Data unit	MW
Description	The Installed Capacity of the power plants in the grid in the year y
Source of data	China Electric Power Yearbook (2005,2006,2007)
Value applied	Annex 3 of registered PD

Justification of choice of data or description of measurement methods and procedures applied	Official statistical data
Purpose of Data	Calculation of baseline emissions
Comments	/

Data / Parameter	GENy
Data unit	MWh
Description	The electricity generation of the power plants in the grid in the year y
Source of data	China Electric Power Yearbook
Value applied	Annex 3 of registered PD
Justification of choice of data or description of measurement methods and procedures applied	Official statistical data
Purpose of Data	Calculation of baseline emissions
Comments	/

Data / Parameter	Efficiency of the best technology commercially
Data unit	%
Description	Best commercial available efficiency of coal, gas, oil fuel power plant
Source of data	Chinese DNA's Guideline of emission factors of Chinese grids
Value applied	Best efficiency for coal plant is 37.28% Best efficiency for oil plant is 48.81% Best efficiency for gas plant is 48.81%
Justification of choice of data or description of measurement methods and procedures applied	Official statistic value
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 to the Grid by the project activity in year y.
Source of data	Calculation by EG _{export,y} minus EG _{import,y} based on the measurement of monitoring meters
Description of measurement methods and procedures to be applied	The net electricity supplied to the Grid by the project will be calculated through electricity supplied by the project to the grid (EG _{export,y}) minus electricity purchased from the Grid (EG _{import,y}).
Frequency of monitoring/recording	Continuously measurement and monthly recording
Value monitored	520626.310
Monitoring equipment	The information of the electricity meter is in the following table.
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 _{facility,y} = EG _{export,y} - EG _{import,y}
Comments	/

Data / Parameter	EG _{export,y}
Data unit	MWh
Description	Electricity supplied by the Project activity to the grid in year y
Source of data	This parameter is determined as the monthly recorded readings of the bi-directional electricity meter.
Description of measurement methods and procedures to be applied	It is measured by the electricity meter and recorded by the project owner. The meter records are crosschecked with sales receipts, and the conservative value is used for emission reduction calculations.

Frequency of monitoring/recording	Continuously measurement and monthly recording				
Value monitored	521,410.010				
Monitoring equipment	The information of the electricity meter is in the following table.				
	Type	Serial No.	Accuracy	Calibration date	Validity date
	Electricity meter DTSD341	09070111440058	0.2S	08/04/2015	07/04/2016
				31/03/2016	30/03/2017
				27/03/2017	26/03/2018
				21/03/2018	20/03/2019
15/03/2019				14/03/2020	
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	/				
Comments	/				

Data / Parameter	EG _{import,y}
Data unit	MWh
Description	Electricity imported from the grid by the proposed project during year
Source of data	This parameter is determined as the monthly recorded readings of the bi-directional electricity meter.
Description of measurement methods and procedures to be applied	It is measured by the electricity meter and recorded by the project owner. The meter records are crosschecked with sales receipts, and the conservative value is used for emission reduction calculations.
Frequency of monitoring/recording	Continuously measurement and monthly recording

Value monitored	779.610				
Monitoring equipment	The information of the electricity meter is in the following table.				
	Type	Serial No.	Accuracy	Calibration date	Validity date
	Electricity meter DTSD341	09070111440058	0.2S	08/04/2015	07/04/2016
				31/03/2016	30/03/2017
				27/03/2017	26/03/2018
				21/03/2018	20/03/2019
			15/03/2019	14/03/2020	
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	/				
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.

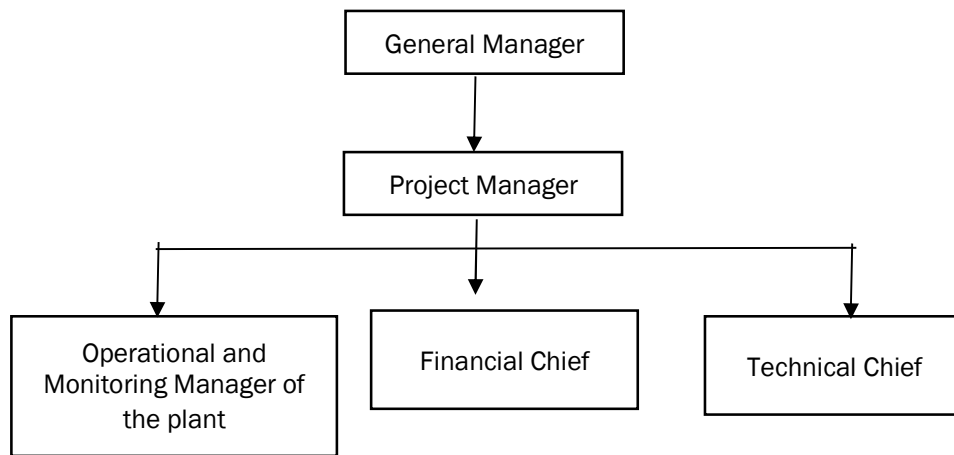


Figure 4. Monitoring structure

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) will be installed at the project site. The to-grid and from-grid electricity will be cross-checked with the electricity receipts. The precision of the meter M1 is 0.2S.

The receipts of the electricity supplied to the grid by this proposed 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:

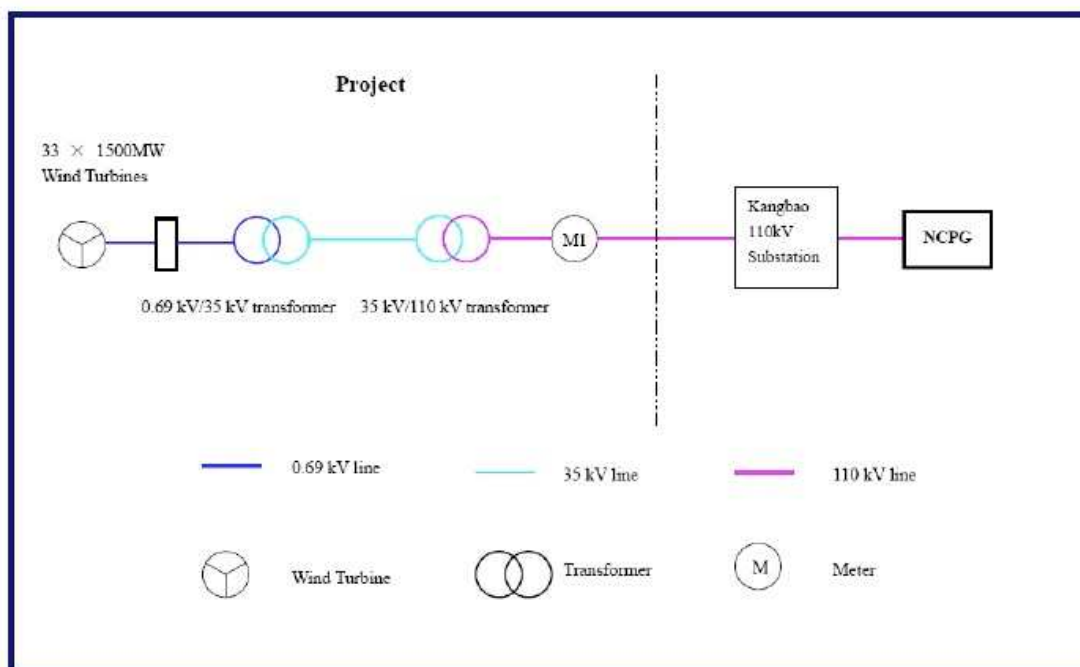


Figure 5. Monitoring diagram

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	Electricity supplied by the project activity to the grid in year y ($EG_{\text{export},y}$) (MWh)	Electricity imported from the grid by the proposed project during year y ($EG_{\text{import},y}$)	Quantity of net electricity generation supplied to the Grid by the project activity ($EG_{\text{facility},y}$) (MWh)	5.1.1.1 $EF_{\text{grid},CM,y}$ (tCO ₂ /yr)	Baseline Emissions (tCO ₂ e)
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		(MWh)			
01/10/2015-31/12/2015	31259.220	59.770	31199.450	1.05485	32,910
01/01/2016-31/12/2016	111918.690	188.650	111730.040	1.05485	117,858
01/01/2017-31/12/2017	140420.100	173.740	140246.360	1.05485	147,938
01/01/2018-31/12/2018	129037.500	185.460	128852.040	1.05485	135,919
01/01/2019-27/11/2019	108774.500	176.080	108598.420	1.05485	114,555
Total in this monitoring period	521,410.010	779.61	520626.310		549,180

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 accordance 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)
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01/10/2015-31/12/2015	32,910	0	0	32,910
01/01/2016-31/12/2016	117,858	0	0	117,858
01/01/2017-31/12/2017	147,938	0	0	147,938
01/01/2018-31/12/2018	135,919	0	0	135,919
01/01/2019-27/11/2019	114,555	0	0	114,555
Total	549,180			549,180

The emission reductions in the registered PD are 124,846tCO₂e/yr. This monitoring period is from 01/10/2015 to 27/11/2019 (1519days). The ex-ante estimated ER for this monitoring period are $124846/365 \times 1519 = 519,565$ tCO₂. And the actual ER for this monitoring period is 549,180tCO₂, which is 5.7% 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 >

Electricity supplied by the project activity to the grid in year y (EGexport,y)				Electricity imported from the grid by the proposed project during year y (EGimport,y)			Quantity of net electricity generation supplied to the Grid by the project activity in year y (EGfacility,y)
Period	Electricity from main meter readings (MWh)	Electricity from sales receipts (MWh)	Conservative data (MWh)	Electricity from the meter readings (MWh)	Electricity from receipts (MWh)	Conservative data (MWh)	
	A	B	C=min(A,B)	D	E	F=max(D,E)	G=C-F
01/10/2015-31/10/2015	9953.160	9920.980	9,920.980	17.640	18.620	18.620	
01/11/2015-30/11/2015	10543.260	10484.290	10,484.290	26.460	27.540	27.540	
01/12/2015-31/12/2015	10899.000	10853.950	10,853.950	10.500	13.610	13.610	
Total in 2015	31395.420	31259.220	31259.220	54.600	59.770	59.770	31199.450
01/01/2016-31/01/2016	10817.520	10749.440	10,749.44 0	7.140	7.000	7.140	
01/02/2016-28/02/2016	5785.920	5751.830	5,751.830	29.400	29.260	29.400	
01/03/2016-31/03/2016	10944.780	10928.860	10,928.86 0	20.160	20.000	20.160	
01/04/2016-30/04/2016	8908.200	8824.030	8,824.030	14.280	14.080	14.280	
01/05/2016-31/05/2016	14463.960	14453.980	14,453.980	17.640	17.630	17.640	
01/06/2016-30/06/2016	7371.000	7310.940	7,310.940	7.980	7.850	7.980	
01/07/2016-31/07/2016	9175.320	9092.430	9,092.430	11.340	11.260	11.340	
01/08/2016-31/08/2016	6074.880	6002.960	6,002.960	18.480	18.300	18.480	
01/09/2016-30/09/2016	6204.240	6139.110	6,139.110	18.060	17.930	18.060	

01/10/2016-31/10/2016	10406.340	10314.290	10,314.290	12.180	12.320	12.320	
01/11/2016-30/11/2016	11023.320	11008.480	11008.480	23.520	23.470	23.520	
01/12/2016-31/12/2016	11395.440	11342.340	11342.340	7.560	8.330	8.330	
Total in 2016	112570.920	111918.690	111918.690	187.740	187.430	188.650	111730.040
01/01/2017-31/01/2017	13017.425	12857.680	12857.680	8.820	7.960	8.820	
01/02/2017-28/02/2017	11224.332	11074.400	11074.400	25.200	25.160	25.200	
01/03/2017-31/03/2017	15749.698	15560.700	15560.700	12.600	12.410	12.600	
01/04/2017-30/04/2017	16034.760	15803.870	15803.870	8.820	8.790	8.820	
01/05/2017-31/05/2017	15696.673	15492.370	15492.370	6.300	6.200	6.300	
01/06/2017-30/06/2017	10746.683	10544.100	10544.100	13.440	13.610	13.610	
01/07/2017-31/07/2017	7320.419	7231.890	7231.890	17.640	17.770	17.770	
01/08/2017-31/08/2017	9794.354	9598.490	9598.490	17.640	17.660	17.660	
01/09/2017-30/09/2017	10690.688	10537.800	10537.800	10.080	9.970	10.080	
01/10/2017-31/10/2017	9440.571	9286.240	9286.240	24.780	24.960	24.960	
01/11/2017-30/11/2017	12688.246	12496.770	12496.770	10.920	10.830	10.920	
01/12/2017-31/12/2017	10049.298	9935.790	9935.790	16.800	17.000	17.000	
Total in 2017	142453.147	140420.100	140420.100	173.040	172.320	173.740	140246.360
01/01/2018-31/01/2018	14565.180	14514.180	14514.180	5.040	5.110	5.110	
01/02/2018-28/02/2018	6574.680	6547.680	6547.680	33.180	33.340	33.340	
01/03/2018-31/03/2018	12437.460	12381.650	12381.650	11.340	11.210	11.340	
01/04/2018-30/04/2018	10122.840	10069.840	10069.840	13.440	13.440	13.440	
01/05/2018-31/05/2018	14163.660	14119.580	14119.580	6.720	6.770	6.770	

01/06/2018-30/06/2018	8376.060	8338.060	8338.060	23.520	23.350	23.520	
01/07/2018-31/07/2018	10426.500	10381.500	10381.500	11.340	11.500	11.500	
01/08/2018-31/08/2018	6903.540	6857.460	6857.460	18.900	18.750	18.900	
01/09/2018-30/09/2018	7890.120	7847.120	7847.120	16.380	16.380	16.380	
01/10/2018-31/10/2018	12665.520	12595.390	12595.390	12.600	12.600	12.600	
01/11/2018-30/11/2018	13366.500	13314.500	13314.500	23.940	24.070	24.070	
01/12/2018-31/12/2018	12109.440	12070.540	12070.540	7.980	8.490	8.490	
Total in 2018	129601.500	129037.500	129037.500	184.380	185.010	185.460	128852.040
01/01/2019-31/01/2019	11326.980	11320.900	11320.900	9.660	9.050	9.660	
01/02/2019-28/02/2019	10499.580	10479.050	10479.050	15.120	14.940	15.120	
01/03/2019-31/03/2019	14369.460	14331.660	14331.660	32.760	32.570	32.760	
01/04/2019-30/04/2019	10646.160	10641.240	10641.240	3.360	3.350	3.360	
01/05/2019-31/05/2019	9510.480	9433.580	9433.580	10.080	10.230	10.230	
01/06/2019-30/06/2019	9507.960	9485.720	9485.720	11.340	11.410	11.410	
01/07/2019-31/07/2019	7214.760	7156.460	7156.460	9.240	9.230	9.240	
01/08/2019-31/08/2019	9417.240	9358.240	9358.240	23.100	23.500	23.500	
01/09/2019-30/09/2019	6065.640	6037.690	6037.690	20.580	21.640	21.640	
01/10/2019-31/10/2019	10654.980	10651.980	10651.980	15.960	15.990	15.990	
01/11/2019-27/11/2019	9956.940	9877.980	9877.980	23.100	23.170	23.170	
Total in 2019	109170.180	108774.500	108774.500	174.300	175.080	176.080	108598.420
Total in this monitoring period	525191.167	521410.010	521410.010	774.060	779.610	779.610	520626.310

