

THE VERIFICATION REPORT

FOR

HEBEI CHENGDE WEICHANG YUDAOKOU PASTURE 150MW WIND FARM PROJECT



Document Prepared By SGS United Kingdom Limited

Project Title	Hebei Chengde Weichang Yudaokou Pasture 150MW Wind Farm Project
Version	3
Report ID	CCP.VOL0893

Report Title	The Verification Report for Hebei Chengde Weichang Yudaokou Pasture 150MW Wind Farm Project
Client	Hebei Construction Investment New Energy Co., Ltd.
Pages	31
Date of Issue	13-06-2012
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Summary:

SGS United Kingdom Ltd has performed the verification of the project Hebei Chengde Weichang Yudaokou Pasture 150MW Wind Farm Project (SGS Ref. No.: CCP.VOL0893 / UNFCCC Ref. No: 3476) against VCS Standard Version 3.2. The verification includes confirming the implementation of the monitoring plan of the CDM PDD Version 0.3, dated 08/02/2010 and the application of the monitoring methodology as per ACM0002 Version 10, dated 28/05/2009 and the gap validation for the project's compliance with the VCS rules. A site visit was conducted to verify the data submitted in the monitoring report.

The project install 100 sets of wind turbine, each of which has a rated installed capacity of 1,500 kW, providing a total installed capacity of 150 MW. The annual output of the project is estimated to be 312,700 MWh. As a renewable wind power project, the project generates greenhouse gas (GHG) emission reductions by displacing power from the North China Power Grid (NCPG) which is of high-growth and dominated by fossil-fuel fired power plants.

The report describes a total of 1 finding and has been satisfactorily closed out, which include:

- 1 Corrective Action Requests (CARs);
- 0 Clarification Requests (CLs);
- 0 Forward Action Requests (FARs); and

SGS confirms that the project is implemented in accordance with the validated registered CDM PDD. The monitoring system is in place and the emission reductions are calculated without material misstatements. SGS's opinion relates to the projects GHG emissions and the resulting GHG emission reductions reported and related to the valid and validated project baseline and monitoring and its associated documents. Based on the information seen and evaluated, SGS confirms that the implementation of the project has resulted in **64,507** tCO₂e emission reductions during period 27/11/2010 up to 16/01/2011 (48,374 tCO₂e for the period from 27/11/2010 to 31/12/2010; 16,133 tCO₂e for the period from 01/01/2011 to 16/01/2011).

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1 INTRODUCTION

1.1 Objective

SGS United Kingdom Ltd has been contracted by Hebei Construction Investment New Energy Co., Ltd. to perform an independent verification of its project Hebei Chengde Weichang Yudaokou Pasture 150MW Wind Farm Project against VCS Standard Version 3.2. The verifiers have reviewed the GHG data collected to date for the period between 27/11/2010 and 16/01/2011.

The purposes of this verification exercise are, by review of objective evidence, to independently review:

- Whether the project has resulted in emission reductions as declared by the organisation or GHG project's GHG assertion;
- The data reported are accurate, complete, consistent, transparent and free of material error or omission.

1.2 Scope and Criteria

This engagement covers verification of emission reductions from anthropogenic sources of greenhouse gases included within the project boundary of Hebei Chengde Weichang Yudaokou Pasture 150MW Wind Farm Project.

Our approach is risk-based, drawing on an understanding of the risks associated with reporting GHG emissions data and the controls in place to mitigate these. Our examination includes assessment, on a test basis, of evidence relevant to the amounts and disclosures in relation to the project's GHG emission reductions for the defined reporting period.

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

1.3 Level of assurance

The level of assurance of the verification report is reasonable assurance engagements as selected by the Client. Materiality for the project is 5% as per the VCS Standard Version 3.2.

1.4 Summary Description of the Project

This engagement covers emissions and emission reductions from anthropogenic sources of greenhouse gases included within the project boundary of the following project and period.

Title of Project Activity:	Hebei Chengde Weichang Yudaokou Pasture 150MW Wind Farm Project
UNFCCC Reference ID:	3476
Monitoring Period Covered in this Report	27/11/2010 to 16/01/2011
Project Proponent	Hebei Construction Investment New Energy Co., Ltd. (China - host)

Location of the Project Activity:	Weichang Manchu & Mongolia Autonomous County, Chengde City, Hebei province, China
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The project install 100 sets of wind turbine, each of which has a rated installed capacity of 1,500 kW, providing a total installed capacity of 150MW. The annual output of the project is estimated to be 312,700 MWh and deliver to North China Power Grid (NCPG). The project was put into commercial operation on 27/11/2010(i.e. the project start date).

2 VALIDATION PROCESS, FINDINGS AND CONCLUSION

2.1 Validation Process

Method and Criteria:

The project was registered as a CDM project on 17/01/2011. According to section 3.12.4 of VCS Standard Version 3.2, a further validation shall be completed of the cover page and sections 1.2, 1.3, 1.5, 1.6, 1.7, 1.9, 1.10, 1.12.1, 1.12.2, 1.12.3, 1.12.4 and 1.13 of the VCS Project Description Template.

Document Review:

The validated CDM PDD, the monitoring report submitted by the client and additional background documents related to the project design were reviewed. A complete list of all documents reviewed is included in Annex 1 of this report.

Interview:

On 16-17/02/2010, Assessor, Sectoral Scope Expert (TA 1.2) and the Local Assessor of the assessment team performed interviews with vice plant manager from Hebei Construction Investment New Energy Co., Ltd. to confirm the information in the cover page and sections 1.2, 1.3, 1.5, 1.6, 1.7, 1.9, 1.10, 1.12.1, 1.12.2, 1.12.3, 1.12.4 and 1.13 of the VCS Project Description Template.

Persons Interviewed:

Mr. Hong Liu, Hebei Construction Investment New Energy Co., Ltd.

Mr. Du Guang, Hebei Construction Investment New Energy Co., Ltd.

Mr. Wang Zhuang, Hebei Construction Investment New Energy Co., Ltd.

Site Inspection:

The onsite inspections were conducted by Assessor, Sectoral Scope Expert (TA 1.2) and the Local Assessor of the assessment team on 16-17/02/2012 to verify the physical situation and complement the desk based assessment of the relevant gaps between CDM and VCS Version 3.2.

Resolution of Any Material Discrepancy:

As an outcome of the validation process, the team can raise different types of findings

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

Where a non-conformance arises the Assessor shall raise a Corrective Action Request (CAR). A CAR is issued, where:

- I. The project participants have made mistakes that will influence the ability of the project activity to achieve real, measurable additional emission reductions;
- II. The VCS requirements have not been met;

III. There is a risk that emission reductions cannot be monitored or calculated.

The validation process may be halted until this information has been made available to the assessors' satisfaction. Failure to address a CL may result in a CAR. Information or clarifications provided as a result of a CL may also lead to a CAR.

A Forward Action Request (FAR) is raised during validation to highlight issues related to project implementation that require review during the first verification of the project activity. FARs shall not relate to the CDM requirements for registration.

2.2 Validation Findings

2.2.1 Gap Validation

The project was registered as a CDM project on 17/01/2011 (/3/). According to section 3.12.4 of VCS Standard Version 3.2 (/30/), a further validation shall be completed of the cover page and sections 1.2, 1.3, 1.5, 1.6, 1.7, 1.9, 1.10, 1.12.1, 1.12.2, 1.12.3, 1.12.4 and 1.13 of the VCS Project Description Template (/32/).

The cover page and sections 1.2, 1.3, 1.5, 1.6, 1.7, 1.9, 1.10, 1.12.1, 1.12.2, 1.12.3, 1.12.4 and 1.13 of the VCS Project Description Template were discussed in Attachment of MR Version 03 (/5/).

Validation of the cover page and sections 1.2, 1.3, 1.5, 1.6, 1.7, 1.9, 1.10, 1.12.1, 1.12.2, 1.12.3, 1.12.4 and 1.13 of the VCS Project Description Template pursuant to Section 3.12.4 of VCS Standard Version 3.2 and Section 3.1.5 of Registration and Issuance Process VCS Version 3.2. Requirement set out in Section 3.12.4 of VCS Version 3.2 and Section 3.1.5 of Registration and Issuance Process VCS Version 3.2 is fulfilled.

The cover page:

The project title has been validated to be the same as the registered CDM project and the project name indicated in the Letter of Approval (LoA) from China (/28/). The version, date of issue, the entity preparing the relevant sections of PDD, and the corresponding contact information has been validated to be correct.

Section 1.2 Sectoral Scope and Project Type: Through the onsite visit, interviewing the project owner and reviewing the project design, it was confirmed that the project was implemented to generate electricity using renewable wind resources and replace the electricity which would otherwise be generated by grid connected power plants. Therefore, it was confirmed that the sectoral scope is 1 energy industries. The project does not involve additional instances that may be added subsequent to project validation. It was confirmed that the project is not a grouped project.

Section 1.3 Project Proponent:

The project proponent is Hebei Construction Investment New Energy Co., Ltd. and the contact information is:

Contract Name:

Zhuang Wang, Project Manager

Hebei Construction Investment New Energy Co., Ltd.

Tel: +86-(0)311-8527 8106, Fax: +86-(0)311-8527 8008, E-mail: zhuangwang_hecic@126.com

The above information is corrected reported in the MR and have been confirmed to be correct by interviewing the project proponent and reviewing the Business license (/27/).

Section 1.5 Project Start Date:

The indicated project start date is 27/11/2010, which is confirmed to be the date on which the project began generating GHG emission reductions by checking the Grid Debugging Record (/11/).

As per information available on the UNFCCC website, the CDM registration date of the project is 17/01/2011 (UNFCCC Ref. No.:3476) with the first CDM crediting period from 17/01/2011 to 16/01/2018 (/3/). The start date of the project was 27/11/2010 which was the day when the project began reducing GHG emissions according to the Grid Debugging Record. The final CDM validation report of the project was completed on 10/01/2011 (/2/) and submitted for CDM registration. The gap between the start date of the project (27/11/2010) and validation completion (10/01/2011) is in compliance with the requirement that non-AFOLU projects shall complete validation within two years of the project start date as per Section 3.8.1 of VCS Standard Version 3.2.

Section 1.6 Project Crediting Period: The project was registered as a CDM project on 17/01/2011. The start date of the project crediting period is 27/11/2010, which is confirmed to be the date on which the project began generating GHG emission reductions by checking the Grid Debugging Record. The end date of the project crediting period is 16/01/2011, the date prior to the CDM registration date and the start date of CDM crediting period (17/01/2011). The project crediting period covers 2 years, i.e., 2010 and 2011.

Section 1.7 Project Scale and Estimated GHG Emission Reductions or Removals:

The ERs of each vintage indicated below are based on the annual ERs in the CDM registered PDD and days included in each vintage. The average annual ERs reported is the same as the annual ERs in the CDM registered PDD which covers a full year period.

The average annual ERs of the project are 329,852 tCO₂e for full-load operation year, which is below the threshold of mega-project (1,000,000 tCO₂e per year). Therefore the project falls in the category of "Project" as per definition.

Project	√
Mega-project	

Years	Estimated GHG emission reductions or removals (tCO ₂ e)
Year 2010 (27/11/2010-31/12/2010)	15,814.8
Year 2011 (01/01/2011-16/01/2011)	7,229.6
Total estimated ERs	23,044
Total number of crediting years	2
Average annual ERs for full-load operation year	329,852

Section 1.9 Project Location:

The project is located at Weichang Manchu & Mongolia Autonomous County, Chengde City, Hebei province, China. The project has central geographical coordinates of longitude 116°57'05"E and latitude 42°11'21"N.

Section 1.10 Conditions Prior to Project Initiation:

The conditions prior to project initiation is the baseline scenario identified in the CDM registered PDD, i.e., supply of equivalent annual power output by the North China Power Grid to which the project is connected.

Section 1.12.1 Proof of Title:

Business license of Hebei Construction Investment New Energy Co., Ltd (/27/) and the Letter of Approval (LoA) issued by the Chinese DNA on the UNFCCC website of the project were provided to confirm the ownership of the project. It is clearly indicated in the LoA that the project owner is authorized as Chinese participant to voluntarily participate in and carry out the project activity. The Chinese DNA had examined the ownership of the project before it issued the LoA to the project participant. Thus, it was confirmed that the project owner has the ownership of the project.

Section 1.12.2 Emissions Trading Programmes and Other Binding Limits:

Through interviews with the project owner and the document review of the Letter of commitment (/29/) from the project owner, it is confirmed that the project does not take part in emission trading programmes other than the CDM for which it is registered as a CDM project (UN reference number 3476). However, the VCUs claimed are related to a different period (before the start of the CDM Crediting Period) and therefore there is no double counting.

Section 1.12.3 Participation under Other GHG Programmes:

Through interviews with the project owner and document review of the Letter of commitment from the project owner, it is validated that the project owner is not included in another voluntary emission trading programme listed on the website of VCS during this monitoring period and the ERs generated from the project will be sold only once.

The project takes place in China, which has no emission reductions target and the project is not a micro or mega project. There are no mandatory emission trading programmes in China. The project is not a grouped one.

The project was registered as CDM project (Ref 3476) with a registration date of 17/01/2011 and the start date of the first CDM crediting period is 17/01/2011. The project does not take part in emission trading programmes besides their status under CDM. The VCUs claimed is related to a different period (before the start of the CDM Crediting Period) and therefore there is no double counting.

Through interviews with the project owner and document review of the Letter of commitment from the project owner confirming that the project does not create another form of environmental credit, it is validated that the project has not created another form of environmental credit.

Section 1.13 Additional Information Relevant to the Project

Eligibility Criteria: N/A

Leakage Management: According to the consolidated methodology ACM0002 (Version 10./4/), the leakage of the Project is not considered.

Commercially Sensitive Information: It is confirmed that commercially sensitive information has been excluded.

Further Information:

It is confirmed that there is no further information that may have a bearing on the eligibility of the project, the net GHG emission reductions or removals, or the quantification of the project's net emission reductions or removals.

2.2.2 Methodology Deviations

N/A

2.2.3 New Project Activity Instances

N/A

2.3 Validation Conclusion

According to the validation report for the project for CDM registration and the above further validation of the cover page and sections 1.2, 1.3, 1.5, 1.6, 1.7, 1.9, 1.10, 1.12.1, 1.12.2, 1.12.3, 1.12.4 and 1.13 of the VCS Project Description Template, it is validated that the Project Hebei Chengde Weichang Yudaokou Pasture 150MW Wind Farm Project is in compliance with the VCS Programmes requirements as set out in the VCS Rules.

3 VERIFICATION PROCESS

3.1 Method and Criteria

SGS' method to the verification is a two-stage process.

In the first stage, SGS completed a strategic review and risk assessment of the projects activities and processes in order to gain a full understanding of:

- Activities associated with all the sources contributing to the project emissions and emission reductions, including leakage if relevant;
- Protocols used to estimate or measure GHG emissions from these sources;
- Collection and handling of data;
- Controls on the collection and handling of data;
- Means of verifying reported data; and
- Compilation of the monitoring report.

At the end of this stage, SGS produced a Verification Checklist which, based on the risk assessment of the parameters and data collection and handling processes for each of those parameters, describes the verification approach and the sampling plan.

Using the Verification checklist, SGS verified the implementation of the monitoring plan and the data presented in the Monitoring Report for the period in question. This involved a site visit and a desk review of the monitoring report. This verification report describes the findings of this assessment.

3.2 Document Review

The validated PDD, the monitoring report submitted by the client and additional background documents related to the project performance were reviewed. A complete list of all documents reviewed is attached in Annex 1 of this report.

3.3 Interviews

On 16-17/02/2012, Assessor, Sectoral Scope Expert (TA 1.2) and the Local Assessor of the assessment team performed interviews with vice plant manager from Hebei Construction Investment New Energy Co., Ltd. to confirm that the operational and data collection procedures are implemented in accordance with the monitoring plan.

Date	Name	Position	Short Description of Subject Discussed
16-17/02/2012	Hong Liu	Vice plant manager, Hebei Construction Investment New Energy Co., Ltd.	Implementation status, Monitoring system, data collection & archive procedure, meters calibration, project boundary and additional GHG sources, Management and operation system documentation, responsibility allocation, internal audit
16-17/02/2012	Du Guang	Project Manager, Hebei Construction Investment New Energy Co., Ltd	Application of methodology, ER calculation, compliance with the CDM registered PDD
16-17/02/2012	Wang Zhuang	Project Manager, Hebei Construction Investment New Energy Co., Ltd	Application of methodology, ER calculation, compliance with the CDM registered PDD

3.4 Site Inspections

As part of the verification, the following on-site inspections have been performed by Assessor, Sectoral Scope Expert (TA 1.2) and the Local Assessor of the assessment team:

Location: Weichang Manchu & Mongolia Autonomous County, Chengde City, Hebei province, China	
Date: 16-17/02/2012	
Coverage:	Source of Information / Persons Interviewed
1. Assessment of the implementation and operation of the project activity as per the CDM registered PDD;	Mr. Hong Liu, Hebei Construction Investment New Energy Co., Ltd. Mr. Du Guang, Hebei Construction

2. Review of information flows for generating, aggregating and reporting the monitoring parameters; 3. Interviews with relevant personnel to confirm that the operational and data collection procedures are implemented in accordance with the monitoring plan. 4. A cross-check between information provided in the monitoring report and data from other sources such as MPRs, DRRs and sales receipts; 5. A check of the monitoring equipment including calibration performance and observations of monitoring practices against the requirements of the PDD and the selected methodology; 6. Review of calculations and assumptions made in determining the GHG data and emission reductions; 7. 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.	Investment New Energy Co., Ltd. Mr. Wang Zhuang, Hebei Construction Investment New Energy Co., Ltd
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3.5 Resolution of Any Material Discrepancy

As an outcome of the verification process, the team can raise different types of findings.

In general, where insufficient or inaccurate information is available and clarification or new information is required the team shall raise a Clarification Request (CL) specifying what additional information is required.

Where a non-conformance arises the team shall raise a Corrective Action Request (CAR). A CAR is issued, where:

- I. The verification is not able to obtain sufficient evidence for the reported emission reductions or part of the reported emission reductions. In this case these emission reductions shall not be verified and certified;
- II. The verification has identified misstatements in the reported emission reductions. Emission reductions with misstatements shall be discounted based on the verifiers ex-post determination of the achieved emission reductions

The verification process may be halted until this information has been made available to the assessors' satisfaction. Failure to address a CL may result in a CAR. Information or clarifications provided as a result of a CL may also lead to a CAR.

FARs may be raised which are for the benefit of future projects and future verification actors. These have no impact upon the completion of the verification activity.

Corrective Action Requests and Clarification Requests are detailed in Verification Checklist. The Project Developer is given the opportunity to “close” outstanding CARs and respond to CLs and FARs.

4 VERIFICATION FINDINGS

4.1 Project Implementation Status

4.1.1 Implementation status of the project activity

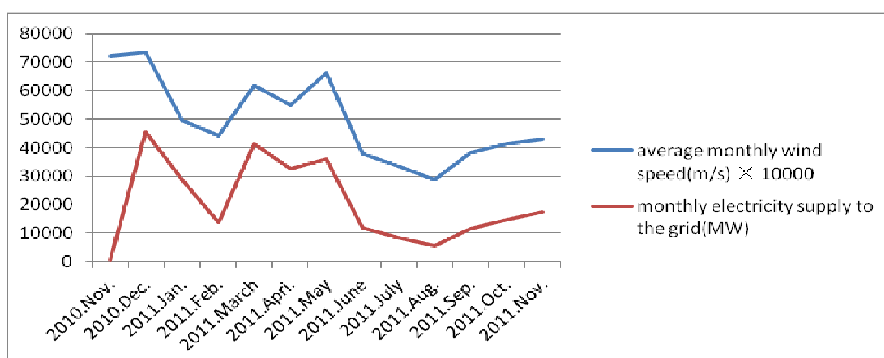
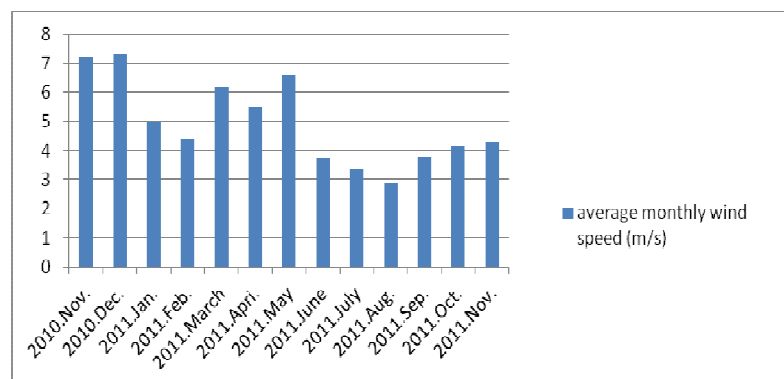
The monitoring period under verification are verified under VCS version 3.2 refer to section 2.2.1 of this report.

The project is registered against ACM0002 version 10 dated 28/05/2009 (/4/). The registered monitoring plan is in accordance with the applied methodology. By observing and interviewing during site visiting, the assessment team confirmed the monitoring plan in the registered CDM PDD and the applied methodology was properly implemented and followed by the project participant (PP).

Through the onsite visit, it has been confirmed that the project was implemented and the equipments were installed as described in the registered CDM PDD (/1/). Total 100 sets of wind turbine, each of which has a rated installed capacity of 1,500 kW, providing a total installed capacity of 100 MW has been equipped. It was confirmed that the project was put into commercial operation on 27/11/2010(/12/). The project operates smoothly and normally during this monitoring period. No events or situations occurred during the monitoring period, which may impact the applicability of the methodology.

Through reviewing the Power Connection Agreement (/9/), Power Purchase Agreement (PPA, /10/), and Power Connection Diagram (/8/), it is confirmed that the project boundary is consistent with the registered CDM PDD. As per the registered CDM PDD, there are no other sources of GHG emissions attributable to the project activity which has been verified through the onsite visit and interview with the project participant.

The emission reductions (ERs) estimated in the registered CDM PDD for this monitoring period of 51 days (from 27/11/2010 to 16/01/2011) is 23,044 tCO₂e (23,044 tCO₂e= 164,926tCO₂e / 365days * 51days). The verified actual emission reduction in this monitoring period is 64,507tCO₂e, which is 179.9% higher than the estimation as per the registered CDM PDD. As clarified by the PP that, in the registered CDM-PDD, the project is not full-load operating during the first operation year and the corresponding estimated emission reduction is 164,926 tCO₂e. But during the real operation, the project started commission on 27/11/2010, and put into full-load operation on 08/01/2011. The increasing of the emission reductions is mainly due to fluctuation of the wind resources in different months of a year. The project has been operated more than one year. To demonstrate reasonable of the increase, the comparison period was extended to be one year, from 27/11/2010 to 30/11/2011. Original monthly-average wind speed and monthly electricity supplied to the grid records in the monthly production report were provided for verification. By reviewing following two figures as provided in the MR, it is obvious that the wind speed in the period from November to January in 2010 is higher than other months. Also the monthly electricity supplied to the grid was compared with the monthly-average wind speed and found that the electricity generation trend is consistent with the monthly-average wind speed.



Note: The electricity supplied to the grid in 2010 Nov. 444.84 MW was from 27 Nov. to 30 Nov., as the 27-Nov.-2010 was the project start date.

In addition, power supplied to the grid from 27/11/2010 to 30/11/2011 is used to further assess the reasonable of the increase. It was verified that the electricity supplied to the grid is 268,303.20 MWh for period from 27/11/2010 to 30/11/2011, which is lower than estimated power supplied to the grid 297,707 MWh (=156,350 MWh /365*43 + 312,700 MWh /365*326) in the registered CDM-PDD. The meter reading record and corresponding sales receipts and other related documents such the daily meter reading record, the operation log are all provided for verification. Thus, the clarification for the increase of the emission reduction in this monitoring period is considering reasonable and accepted by the assessment team.

4.1.2 Implementation status of the monitoring plan

During the site visit, it was found that there is a 10KV backup line equipped at the project site which is used for importing electricity from the grid when no electricity generated by the project. CAR #1 was raised requesting the PP to clarify the compliance of the monitoring implemented against the registered monitoring plan.

As clarified by the PP that the backup line was used during construction of this project and was used by the project for emergency during the operational period. This 10kV line is owned by the NCPG. In response to the finding, the monitoring plan of the project was revised by adding the monitoring procedure of the electricity imported by the project from the grid via the 10kV line (PR_{10 kV,y}) in the monitoring plan of the project. The revised monitoring plan was validated and accepted by the assessment team and detailed as follows:

Validation opinion to the revised monitoring plan

Type of Revision

The revision of the monitoring plan is a result of recommendation by the PP/DOE as mentioned in section B.7.1 and B.7.2 of the revised monitoring plan, by adding monitoring information on the electricity imported by the project from the grid via the 10 kV line ($PR_{10\text{ kV},y}$) in the monitoring plan to improve the consistency and completeness of the monitoring plan of the project.

Rest of the monitoring plan remains the same as mentioned in the registered CDM PDD available on the UNFCCC website <http://cdm.unfccc.int/Projects/DB/BVQI1268203473.52/view>, except for some editorial changes for wording. The revised monitoring plan is attached with the monitoring report of this VCS monitoring period.

The proposed revision of the monitoring plan ensures that the level of accuracy and completeness in the monitoring and verification process is not reduced as a result of the revisions (details below).

The monitoring information on the electricity imported by the project from the grid via the 10 kV line ($PR_{10\text{ kV},y}$) is added as a parameter to be monitored, providing a detailed description of the monitoring of the data and the procedures applied during monitoring. As per the revision, $PR_{10\text{ kV},y}$ will be monitored by meter (M3) installed in the project site and the meter is operated by the Grid company, which is consistent with what was verified during the first monitoring period. The meters will be annually calibrated according to the relevant national electric industry standards and regulations; electricity use of power plant supplied by the grid will be double checked according to sales receipts. Thus it was validated that the added description of the monitoring and the procedures to be applied for $PR_{10\text{ kV},y}$ reflects the actual monitoring of this parameter and ensure the level of accuracy and completeness in the monitoring plan.

The proposed revision of the monitoring plan is in accordance with the approved monitoring methodology applicable to the project activity (details below).

The revisions to the monitoring plan are due to the fact that there is electricity imported by the project from the grid via the 10 kV line for the project. The backup line was built and used during the construction period and remained for emergency in the operation period. In the original monitoring plan, there is no information on the monitoring of this parameter. In the proposed revised monitoring plan, monitoring information on this parameter was added. It was validated that the revisions reflect the actual monitoring of this parameter and improve the completeness of the monitoring plan.

Except for some editorial changes for wording and deletion of some overlapping description the rest of the monitoring plan remains the same as mentioned in the registered CDM PDD available on the UNFCCC website <http://cdm.unfccc.int/Projects/DB/DNV-CUK1258025861.26/view>. Parameters that need to be monitored and the monitoring procedures required by the applied methodology have been incorporated in the revised monitoring plan. The assessment team confirmed that the proposed revision of monitoring plan is in accordance with the approved monitoring methodology applied by the project activity, i.e. ACM0002 version 10 and the actual monitoring practice of the project.

Annex 28 to EB 49 meeting report was followed to revise the monitoring plan and the assessment team confirm that:

- (a) the proposed revision points have been described, and an assessment has been provided to substantiate the reasons for each of the proposed revision points of the registered monitoring plan, using objective evidence;
- (b) the proposed revision of the monitoring plan ensures that the level of accuracy or completeness in the monitoring and verification process is not reduced as a result of the revisions;
- (c) the proposed revision of the monitoring plan is in accordance with the approved monitoring methodology applicable to the project activity whilst ensuring the conservativeness of the emission reductions calculation.

In the revised monitoring report, the monitoring information on the electricity imported by the project from the grid via the 10kV line ($PR_{10\text{ kV},y}$) was reported. It was validated that a meter M3 (SN: 2103348, accuracy: 1.0) was installed to monitor the electricity imported by the project from the grid via the 10 kV. During this monitoring period, the project runs smoothly with no emergency happened and the electricity imported from the 10kV backup line is zero. The meter record was provided for validation. Considering there is no electricity imported by the project from the grid via the 10kV line, no commercial evidences such as ETNs or invoices were issued for this monitoring period. Confirmation on no electricity imported by the project from the grid via the 10kV line issued by the grid company was provided for verification. During the monitoring period, the meter was calibrated on 24/09/2010 and it was valid until 23/09/2011.

The revised monitoring plan is compliance with the applied methodology and reflects the actual monitoring practice of the project. The monitoring information on the electricity imported by the project from the grid via the 10kV line ($PR_{10\text{ kV},y}$) was reported in revised monitoring report and was verified to be correct. Thus, CAR #1 was closed out.

Monitoring of reductions in GHG emissions to result from the project have been implemented in accordance with the revised monitoring plan. The monitoring mechanism is effective and reliable.

4.1.1.1 $EG_{s,y}$: Power supplied to the grid

Power supplied to the grid ($EG_{s,y}$) was continuously measured by M1(SN:36013942, Accuracy class:0.2s) the bi-directional electricity meter located at the output of the on-site 220kV transformer substation. As per the monitoring plan, M2 SN: 36014056, Accuracy class: 0.2s) is in place as backup meter of M1.

Designated personnel of the project owner recorded the meter readings every day and reported in the Daily Reading Records (DRRs, /14/) and transcribed into Monthly Production Reports (MPRs,/13/) on a monthly basis by designated personnel of the project company. The cut-off time of the project is at 24:00 on the last day each month. Electricity Transaction Notes (hereinafter referred to as ETNs) were issued by the grid company to the Project Owner monthly. Based on the data on ETNs, sales invoices were issued by the project owner to the grid company for payment. The sales receipts (including ETNs, invoices and the confirmation issued by the grid company)are used for double check.

During this VCS monitoring period, except for the ETNs and invoices, confirmation on the power supplied to the grid issued by local grid company for the settled data during the period of 27/11/2010-31/12/2010, and 01/01/2011-16/01/2011 (/16/) is used for crosscheck of the Power supplied to the grid ($EG_{s,y}$)

The MPRs, sales receipts (including ETNs, invoices and the confirmation issued by the grid company) covering this whole monitoring period have been provided for verification. Sales receipts issued by the grid company were used for crosscheck. The conservative value between the MPRs and sales receipts is used for ERs calculation. The DRRs and the operational log (/12/) were checked for cross reference. Supporting references and data required to determine the power supplied to the grid ($EG_{s,y}$) are found to be complete and transparent.

4.1.1.2 $PR_{g,y}$: The electricity use of power plant supplied by the grid via the 220 kV line

The electricity use of power plant supplied by the grid via the 220 kV line ($PR_{g,y}$) was also continuously measured M1(SN:36013942, Accuracy class:0.2s) the bi-directional electricity meter located at the output of the on-site 220kV transformer substation. As per the monitoring plan, M2 (SN: 36014056, Accuracy class: 0.2s) is in place as backup meter of M1.The monitoring difference of $PR_{g,y}$ is the cut-off time of $PR_{g,y}$ is at 24:00 on 19th each month. Electricity Transaction Notes (ETNs) were issued by the grid company to the Project Owner monthly. Based on the data on ETNs, sales invoices were issued by the grid company to the project owner for payment purpose. The sales receipts (including ETNs, invoices and the confirmation issued by the grid company) are used for double check.

During this VCS monitoring period, except for the ETNs and invoices, confirmation on the electricity use of power plant supplied by the grid via the 220 kV line ($PR_{g,y}$) issued by local grid company for the settled data during the period of 27/11/2010-19/11/2010, 20/12/2010-31/12/2010, and 01/01/2011-16/01/2011 (/17/) is used for crosscheck of the electricity use of power plant supplied by the grid ($PR_{g,y}$).

The MPRs, sales receipts (including the confirmation issued by the grid company) covering this whole monitoring period have been provided for verification. Sales receipts issued by the grid company were used for crosscheck. The conservative value between the MPRs and sales receipts is used for ERs calculation. The DRRs and the operational log (/12/) were checked for cross reference. Supporting references and data required to determine electricity use of power plant supplied by the grid ($PR_{g,y}$) are found to be complete and transparent.

4.1.1.3 $PR_{10\text{ kV},y}$: The electricity imported by the project from the grid via the 10 kV line

The electricity imported by the project from the grid via the 10 kV line ($PR_{10\text{ kV},y}$) was continuously measured by the electricity meter M3 (SN: 2103348, Accuracy class: 1.0) installed on the 10 kV line. The backup line was built and used during the construction period and remained for emergency in the operation period. Designated personnel records readings of the electricity meter monthly. After the grid company confirmed the data, the sales receipts would be issued by the grid company. The sales receipts (confirmation issued by the grid company) are used for double check for the electricity imported by the project from the grid via the 10 kV line.

As validated above during this monitoring period, the project runs smoothly with no emergency happened and the electricity imported from the 10kV backup line is zero. The meter record was provided for validation. Considering there is no electricity imported by the project from the grid via the 10kV line, no commercial evidences such as ETNs or invoices were issued for this monitoring period. Confirmation on no electricity imported by the project from the grid via the 10kV line issued by the grid company was provided for verification (/18/).

4.1.1.4 $EG_{\text{facility},y}$: Net power supplied to the grid

According to revised monitoring plan, net power supplied to the grid ($EG_{\text{facility},y}$) was calculated monthly with on-site monitored data of $EG_{s,y}$, $PR_{g,y}$ and $PR_{10\text{ kV},y}$ using the formula $EG_{\text{facility},y} = EG_{s,y} - PR_{g,y} - PR_{10\text{ kV},y}$.

4.1.4 Remaining Issues, CAR's, CL's from Previous Validation or Verification

VCS validation and verification was combined as the project is already registered under the CDM programmes. This is the first periodic VCS verification therefore no remaining issues for this project.

4.1.5 Data from External Sources

Based on the information in the CDM registered PDD (/1/), the baseline emission factor ($EF_{\text{grid},\text{CM},y}$) was ex-ante determined and is fixed for the first CDM crediting period. The value of baseline emission factor used in the monitoring report is 1.05485 tCO₂e/MWh, which is the same as the one in the registered CDM PDD (/1/).

4.2 Accuracy of GHG Emission Reduction or Removal Calculations

A complete set of data covering the period from 27/11/2010 to 16/01/2011 has been provided and verified by the assessment team. With the conservative approach, monitoring of reductions in GHG emissions to result from the registered project has been implemented in accordance with

the registered CDM PDD (/1/). The monitoring parameters have been cross-checked with relevant evidences. See Section 4.1.4 for details. The appropriate methods and formulae for calculating baseline emissions, project emissions and leakage have been followed. And the assumptions and emission factor that were applied in the calculations have been justified.

Calculation of Emission Reductions or Removals

Table 1 Reported and verified data

Parameter	Reported Value in MR version 01	Verified Value
EG _{facility,y}	61,154.28 MWh	61,154.28 MWh
EG _{s,y}	61,213.68 MWh	61,213.68 MWh
PR _{g,y}	59.4 MWh	59.4 MWh
PR _{10 kV,y}	NA	0 MWh
EF _{grid,CM,y}	1.05485 tCO ₂ e/MWh	1.05485 tCO ₂ e/MWh

As per the registered CDM PDD (/1/), baseline emissions (BE_y), project emissions (PE_y), leakage (L_y) and emission reductions (ER_y) calculated as follows:

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

$$PE_y = 0$$

Leakage is not considered.

$$ER_y = BE_y - PE_y$$

The emission reductions reported in the monitoring report Version 03 are verified to be correct as the following table.

Table 2 Verified emission reductions calculation

Period	Baseline emissions (tCO ₂ e)	Project emissions (tCO ₂ e)	Emission reductions (tCO ₂ e)
27/11/2010- 31/12/2010	48,374	0	48,374
01/01/2011 - 16/01/2011	16,133	0	16,133
Total: 27/11/2010-16/01/2011	64,507	0	64,507

4.3 Quality of Evidence to Determine GHG Emission Reductions or Removals

Critical parameters used for the determination of the Emission Reductions are discussed above in Section 4.1.4 above. All the data recorded is in compliance with the monitoring report.

4.4 Management and Operational System

The management system and quality assurance procedures have been stipulated in the Monitoring Manual and QA/QC procedures, and have been implemented during operation. The emergency plan is in place. The staffs are well trained and qualified. This has been verified during

the onsite visit and document review, therefore the assessment team can confirm that the management system of the project is in place; with the responsibilities properly identified and in place. The monitoring manual, training records and staff qualification (/22//23//24/) have been obtained and verified.

5 VERIFICATION CONCLUSION

The scope of the verification

We, SGS have been contracted by Hebei Construction Investment New Energy Co., Ltd. to certify that the greenhouse gas (GHG) emission reductions reported for the Hebei Chengde Weichang Yudaokou Pasture 150MW Wind Farm Project for the period from 27/11/2010 to 16/01/2011 in the monitoring report version 03 dated 31/05/2012 are eligible for registration as Voluntary Carbon Units.

This engagement covers the verification of emission reductions from anthropogenic sources of greenhouse gases included within the project boundary of the Hebei Chengde Weichang Yudaokou Pasture 150MW Wind Farm Project, as well as an additional confirmation of the compliance of the VCS PD with the requirements of VCS Standard version 3.2.

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

Conclusions of the verification

(a) SGS is an entity accredited by the United Nations Framework Convention for Climate Change (UNFCCC) to undertake certification and verification services in the sector in which the Project is undertaken. The accreditation is accepted by VCSA as indicated in Clause 5 of VCS Programmes Guide Version 3.2.

(b) The monitoring report, together with other information examined, was prepared as per the VCS Monitoring Report Template, Version 3.0.

(c) The information in the monitoring report together with other information examined by the assessment team, including all the information necessary to determine that the emission reductions achieved have been determined correctly.

(d) Based on the examination of the monitoring report and other relevant information, the project meets all the requirements of the VCS Standard Version 3.2.

(e) Based on our examination of the monitoring report and other relevant information, the claiming emission reductions during the monitoring period from 27/11/2010 to 16/01/2011 are verified as 64,507 tonnes CO₂ equivalent.

Liability statement with regards to the accuracy of the verification statement

The management of Hebei Construction Investment New Energy Co., Ltd. is responsible for the preparation of the GHG emissions data and the reported GHG emissions reductions. SGS is responsible for verification and confirming emission estimates for the project, as described in the monitoring report.

Our certification approach draws on an understanding of the risks associated with reporting GHG emissions data and the controls in place to mitigate these. Our examination includes an assessment of evidence, through desk review, and where necessary, interviews, stakeholder discussions and site visits, relevant to certifying the rightfulness of the amounts and disclosures in relation to the Project's GHG emission reductions. Our examination includes assessment, on a test basis, of evidence relevant to the amounts and disclosures in relation to the project's GHG emission reductions for the defined reporting period.

We planned and performed our work to obtain the information and explanations that we considered necessary to provide sufficient evidence for us to give reasonable assurance that the amount of GHG emission reductions for the given period, prepared on the basis of the monitoring report, are fairly stated.

This assessment included:

- Collection of evidence supporting the reported data;
- Checking whether the provisions of the Monitoring Plan in the registered PDD, were consistently and appropriately applied;
- Site visit and interview of relevant staff.

We have verified whether the information included in the monitoring report representing the emission reductions achieved has been determined correctly for the given period from the baseline figure.

Certification statements

Based on process and procedures conducted, in our opinion, the monitoring report version 03 dated 31/05/2012 on emission reductions for Hebei Chengde Weichang Yudaokou Pasture 150MW Wind Farm Project during the reporting period from 27/11/2010 to 16/01/2011 is materially correct and is a fair representation of the GHG data and information and the emission reductions are fairly stated. All relevant facts have been found correct by our examination. The GHG emission reductions calculation is correct.

Therefore, SGS is able to certify that the project is in full compliance with the VCS Standard Version 3.2, and the quantity of the reported emission reductions during below reporting period are completely, comparably, accurately and correctly reported.

(2) Reporting period: From 27/11/2010 to 31/12/2010

Verified GHG emission reductions in the above reporting period:

GHG Emission Reductions or Removals	tCO ₂ e
Baseline Emissions	48,374
Project Emissions	0
Net GHG emission reductions	48,374

(2) Reporting period: From 01/01/2011 to 16/01/2011

Verified GHG emission reductions in the above reporting period:

GHG Emission Reductions or Removals	tCO ₂ e
Baseline Emissions	16,133
Project Emissions	0
Net GHG emission reductions	16,133

Statement of Confidentiality

SGS will hold all information confidential until the client instructs otherwise or until it has been released in accordance with the VCS Standard Version 3.2 requirements.

Signed on behalf of the Verification Body by Authorized Signatory

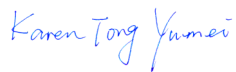
SGS United Kingdom Limited

Dated: 13/06/2012

Date: 13/06/2012

Signature:

Signature:





Lead Assessor

Karen Tong Yumei

Technical Reviewer

Michael WU Shimin

ANNEX 1: DOCUMENT REFERENCES

- /1/ Project Design Document, version 0.3, dated 08/02/2010
- /2/ Validation Report of the project, issued by Bureau Veritas Certification Holding SAS, Report No. BVC/CHINA-VAL/0193/2009, Revision No. 03, dated 10/01/2011
- /3/ Project webpage at UNFCCC
<http://cdm.unfccc.int/Projects/DB/BVQI1268203473.52/view>
- /4/ Methodology ACM0002: Consolidated methodology for grid-connected electricity generation from renewable sources, version 10, dated 28/05/2009.
- /5/ Monitoring Report of the project

MR Version	Date of Revision	Main changes reason for Revision
Version 01	19/10/2011	Initial version issued to DOE
Version 02	29/02/2012	Revision as per SGS findings regarding electricity imported from the grid via the 10KV line in section 3 of MR
Version 03	31/05/2012	Revision of ERs comparison in section 4.4 of MR

- /6/ ERs Calculation Spreadsheet version 01 dated 19/10/2011 and version 02 dated 29/02/2012
- /7/ Specification of the Turbines
- /8/ Power connection diagram of the project
- /9/ Power Connection Agreement signed between the grid company and the project owner
- /10/ Power Purchase Agreement (PPA) signed between the grid company and the project owner
- /11/ Grid Debugging Record of the project
- /12/ Operation log of the wind farm
- /13/ Monthly Production Reports (MPRs) of the project
- /14/ Daily Reading Records (DRRs) of the project
- /15/ Sales receipts of the project including ETNs and invoices
- /16/ Confirmation on the settled data of $EG_{s,y}$ for the period of 27/11/2010-31/12/2010, and 01/01/2011-16/01/2011 issued by the grid company dated 27/02/2012.
- /17/ Confirmation on the settled data of $PR_{g,y}$ for the period of 27/11/2010-19/11/2010, and 20/12/2010-31/12/2010, and 01/01/2011-16/01/2011 issued by the grid company dated 27/02/2012.
- /18/ Confirmation on the settled data of $PR_{10\text{ kV},y}$ for the period of 27/11/2010-30/11/2010, 01/12/2010-31/12/2010 and 01/01/2011 to 31/01/2011 issued by the grid company dated 27/02/2012.
- /19/ Accreditation Certificate of North China Grid Co., Ltd Chengde Power Supply Company issued by Bureau of Quality and Technical Supervision of Heibei province (Accreditation Certificate No. (JI) Fa Ji (2008) D007, dated 18/02/2008, valid till 17/02/2011.
- /20/ Calibration records of electricity meters M1 and M2 (SN: 36013942 and SN: 36014056), issued by Chengde Power Supply Company Electricity Measurement Center dated 14/09/2010.
- /21/ Calibration records of electricity meters M3 (SN: 2103348), issued by Chengde Power Supply Company Electricity Measurement Center dated 24/09/2010.
- /22/ CDM Monitoring Manual of the project
- /23/ QA/QC procedure and Emergency Plan of the wind farm

- /24/ Staff Training Records and Qualification Certificates of the wind farm
- /25/ Validation and Verification Manual Version 01.2 dated 30/07/2010
- /26/ DL/T448-2000 Technical administrative code of electric energy metering
- /27/ Business License of Hebei Construction Investment New Energy Co., Ltd.
- /28/ Letter of Approval (LoA) for the project as a CDM project by China DNA
- /29/ Letter of commitment issued by the PO
- /30/ VCS Standard, Version 3.2
- /31/ VCS Programmes Guide, Version 3.3
- /32/ VCS Project Description Template, Version 3.0
- /33/ VCS Monitoring Report Template, Version 3.1

ANNEX 2: FINDINGS OVERVIEW

Findings Overview Summary

	CARs	CLs	FARs
Total Number raised	1	0	0

Date:	27/02/2012	Raised by:	Assessment team		
Type:	CAR	Number:	CAR #1	Reference:	Section 2
Lead Assessor Comment:			Date: 27/02/2012		
During site visit, it was found that there is a 10KV backup line equipped at the project site which is used for importing electricity from the grid when no electricity generated by the project. CAR #1 was raised requesting PP to clarify the compliance of the monitoring implemented against the registered monitoring plan.					
Project Participant Response:			Date: 06/03/2012		
The backup line was used during construction of this project and this 10kV line owned by the NCPG was kept connected with the project for the case of emergency during operational period. During this monitoring period, the project runs smoothly with no emergency happened and the electricity imported from the 10kV backup line is zero, so this line was not reported in the MR version 01.in response to the finding, the monitoring plan of the project was revised by adding the monitoring procedure of the electricity imported by the project from the grid via the 10kV line (PR _{10 kV,y}) in the monitoring plan of the project.					
The electricity imported by the project from the grid via the 10kV line is continuously measured by the electricity meter installed on the 10 kV line. Designated personnel of the project owner records readings of the electricity meter monthly. After the grid company confirmed the data, the sales receipts would be issued based on the data by the grid company. And the sales receipts are used for double check for the electricity imported by the project from the grid via the 10 kV line. The calibration frequency of the meter is once a year.					
The meter record was provided for validation. Considering there is no electricity imported by the project from the grid via the 10kV line and no sales receipts was issued for this VCS monitoring period. Confirmation on no electricity imported by the project from the grid via the 10kV line was issued by the grid company. During the monitoring period, the meter was calibrated on 24/09/2010 and it was valid until 23/09/2011.					
Documentation Provided as Evidence by Project Participant:					
Confirmation on no electricity imported by the project from the grid via the 10kV line was issued by the grid company.					
Calibration certificate of the 10kV meter.					
Information Verified by Lead Assessor:					
As clarified by PP that the backup line was used during construction of this project and was used by the project for emergency during operational period. This 10kV line is owned by the NCPG. In response to the finding, the monitoring plan of the project was revised by adding the monitoring procedure of the electricity imported by the project from the grid via the 10kV line (PR _{10 kV,y}) in the monitoring plan of the project. The revised monitoring plan was validated and accepted by the assessment team and detailed as follows:					
Validation opinion to the revised monitoring plan					
Type of Revision					
The revision of the monitoring plan is a result of recommendation by the PP/DOE as mentioned in section B.7.1 and B.7.2 of the revised monitoring plan, by adding monitoring information on the electricity					

imported by the project from the grid via the 10 kV line (PR_{10 kV,y}) in the monitoring plan to improve the consistency and completeness of the monitoring plan of the project.

Rest of the monitoring plan remains the same as mentioned in the registered PDD available on the UNFCCC website <http://cdm.unfccc.int/Projects/DB/BVQ11268203473.52/view>, except for some editorial changes for wording. The revised monitoring plan is attached with the monitoring report of this VCS monitoring period.

The proposed revision of the monitoring plan ensures that the level of accuracy and completeness in the monitoring and verification process is not reduced as a result of the revisions (details below).

The monitoring information on the electricity imported by the project from the grid via the 10 kV line (PR_{10 kV,y}) is added as a parameter to be monitored, providing a detailed description of the monitoring of the data and the procedures applied during monitoring. As per the revision, PR_{10 kV,y} will be monitored by meter (M3) installed in the project site and the meter is operated by the Grid company, which is consistent with what was verified during the first monitoring period. The meters will be annually calibrated according to the relevant national electric industry standards and regulations; electricity use of power plant supplied by the grid will be double checked according to the sales receipts. Thus it was validated that the added description of the monitoring and the procedures to be applied for PR_{10 kV,y} reflects the actual monitoring of this parameter and ensure the level of accuracy and completeness in the monitoring plan.

The proposed revision of the monitoring plan is in accordance with the approved monitoring methodology applicable to the project activity (details below).

The revisions to the monitoring plan are due to the fact that there is electricity imported by the project from the grid via the 10 kV line for the project. The backup line was built and used during the construction period and remained for emergency in the operation period. In the original monitoring plan, there is no information on the monitoring of this parameter. In the proposed revised monitoring plan, monitoring information on this parameter was added. It was validated that the revisions reflect the actual monitoring of this parameter and improve the completeness of the monitoring plan.

Except for some editorial changes for wording and deletion of some overlapping description the rest of the monitoring plan remains the same as mentioned in the registered PDD available on the UNFCCC website <http://cdm.unfccc.int/Projects/DB/DNV-CUK1258025861.26/view>. Parameters that need to be monitored and the monitoring procedures required by the applied methodology have been incorporated in the revised monitoring plan. The assessment team confirmed that the proposed revision of monitoring plan is in accordance with the approved monitoring methodology applied by the project activity, i.e. ACM0002 version 10 and the real monitoring fact of the project.

Annex 28 to EB 49 meeting report was followed to revise the monitoring plan and the assessment team confirm that:

- (a) the proposed revision points have been described, and an assessment has been provided to substantiate the reasons for each of the proposed revision points of the registered monitoring plan, using objective evidence;
- (b) the proposed revision of the monitoring plan ensures that the level of accuracy or completeness in the monitoring and verification process is not reduced as a result of the revisions;
- (c) the proposed revision of the monitoring plan is in accordance with the approved monitoring methodology applicable to the project activity whilst ensuring the conservativeness of the emission reductions calculation.

In the revised monitoring report, the monitoring information on the electricity imported by the project from the grid via the 10kV line (PR_{10 kV,y}) was reported. It was validated that a meter M3 (SN: 2103348, accuracy: 1.0) was installed to monitor the electricity imported by the project from the grid via the 10 kV. During this monitoring period, the project runs smoothly with no emergency happened and the electricity imported from the 10kV backup line is zero. The meter record was provided for validation. Considering there is no electricity imported by the project from the grid via the 10kV line, no commercial evidences such as ETNs or invoices were issued for this monitoring period. Confirmation on no electricity imported

by the project from the grid via the 10kV line issued by the grid company was provided for verification. During the monitoring period, the meter was calibrated on 24/09/2010 and it was valid until 23/09/2011.

The revised monitoring plan is compliance with the applied methodology and reflects the monitoring fact of the project. The monitoring information on the electricity imported by the project from the grid via the 10kV line (PR_{10 kV,y}) was reported in revised monitoring report and was verified to be correct. Thus, CAR #1 was closed out.

Reasoning for not Acceptance or Acceptance and Close Out:

CAR #1 was closed out.

Acceptance and Close out by Lead Assessor:

Karen Tong

Date: 06/04/2012

ANNEX 3: COMPETENCY STATEMENTS OF TEAM MEMBERS

Statement of Competence

Name: Karen Tong

Status

- Lead Assessor	x	- Expert	x
- Assessor	x	- Financial Expert	
- Local Assessor	China	- Technical Reviewer	

Scopes of Expertise

1. Energy Industries (renewable / non-renewable)	x
Technical Area(s): TA 1.2 Energy generation from renewable energy sources	
2. Energy Distribution	
Technical Area(s):	
3. Energy Demand	
Technical Area(s):	
4. Manufacturing	
Technical Area(s):	
5. Chemical Industry	
Technical Area(s):	
6. Construction	
Technical Area(s):	
7. Transport	
Technical Area(s):	
8. Mining/Mineral Production	
Technical Area(s):	
9. Metal Production	
Technical Area(s):	
10. Fugitive Emissions from Fuels (solid, oil and gas)	
Technical Area(s):	
11. Fugitive Emissions from Production and Consumption of Halocarbons and Sulphur Hexafluoride	x
Technical Area(s): 11.2 GHG capture and destruction	
12. Solvent Use	
Technical Area(s):	
13. Waste Handling and Disposal	
Technical Area(s):	
14. Afforestation and Reforestation	
Technical Area(s):	
15. Agriculture	
Technical Area(s):	

Approved Member of Staff by: Siddharth Yadav Date: 06/02/2012

Statement of Competence

Name: Shute LI

Status

- Lead Assessor	x	- Expert	x
- Assessor	x	- Financial Expert	
- Local Assessor	China	- Technical Reviewer	

Scopes of Expertise

1. Energy Industries (renewable / non-renewable)	x
Technical Area(s): TA 1.2 Energy generation from renewable energy sources	
2. Energy Distribution	
Technical Area(s):	
3. Energy Demand	
Technical Area(s):	
4. Manufacturing	
Technical Area(s):	
5. Chemical Industry	
Technical Area(s):	
6. Construction	
Technical Area(s):	
7. Transport	
Technical Area(s):	
8. Mining/Mineral Production	
Technical Area(s):	
9. Metal Production	
Technical Area(s):	
10. Fugitive Emissions from Fuels (solid, oil and gas)	
Technical Area(s):	
11. Fugitive Emissions from Production and Consumption of Halocarbons and Sulphur Hexafluoride	x
Technical Area(s): 11.2 GHG capture and destruction	
12. Solvent Use	
Technical Area(s):	
13. Waste Handling and Disposal	x
Technical Area(s): TA 13.1: Waste handling and disposal	
14. Afforestation and Reforestation	
Technical Area(s):	
15. Agriculture	
Technical Area(s):	

Approved Member of Staff by: Siddharth Yadav Date: 06/02/2012

Statement of Competence

Name: James Sun

Status

- Lead Assessor	x	- Expert	
- Assessor	x	- Financial Expert	
- Local Assessor	China	- Technical Reviewer	

Scopes of Expertise

1. Energy Industries (renewable / non-renewable)	
Technical Area(s):	
2. Energy Distribution	
Technical Area(s):	
3. Energy Demand	
Technical Area(s):	
4. Manufacturing	
Technical Area(s):	
5. Chemical Industry	
Technical Area(s):	
6. Construction	
Technical Area(s):	
7. Transport	
Technical Area(s):	
8. Mining/Mineral Production	
Technical Area(s):	
9. Metal Production	
Technical Area(s):	
10. Fugitive Emissions from Fuels (solid, oil and gas)	
Technical Area(s):	
11. Fugitive Emissions from Production and Consumption of Halocarbons and Sulphur Hexafluoride	
Technical Area(s):	
12. Solvent Use	
Technical Area(s):	
13. Waste Handling and Disposal	
Technical Area(s):	
14. Afforestation and Reforestation	
Technical Area(s):	
15. Agriculture	
Technical Area(s):	

Approved Member of Staff by: Siddharth Yadav Date: 10/05/2012

Statement of Competence

Name: Michael Wu

Status

- Lead Assessor	x	- Expert	x
- Assessor	x	- Financial Expert	
- Local Assessor	China	- Technical Reviewer	x

Scopes of Expertise

1. Energy Industries (renewable / non-renewable)	x
Technical Area(s): TA 1.2 Energy generation from renewable energy sources.	
2. Energy Distribution	
Technical Area(s):	
3. Energy Demand	
Technical Area(s):	
4. Manufacturing	
Technical Area(s):	
5. Chemical Industry	
Technical Area(s):	
6. Construction	
Technical Area(s):	
7. Transport	
Technical Area(s):	
8. Mining/Mineral Production	
Technical Area(s):	
9. Metal Production	
Technical Area(s):	
10. Fugitive Emissions from Fuels (solid, oil and gas)	
Technical Area(s):	
11. Fugitive Emissions from Production and Consumption of Halocarbons and Sulphur Hexafluoride	
Technical Area(s):	
12. Solvent Use	
Technical Area(s):	
13. Waste Handling and Disposal	
Technical Area(s):	
14. Afforestation and Reforestation	
Technical Area(s):	
15. Agriculture	
Technical Area(s):	

Approved Member of Staff by: Siddharth Yadav Date: 06/02/2012

ANNEX 4: PHOTOGRAPHIC EVIDENCE

Unique reference number: 36013942	Parameter: Main meter M1
Name of equipment: Electricity meter	Date:17/02/2012
	

Unique reference number: 36014056	Parameter: Backup meter M2
Name of equipment: Electricity meter	Date:17/02/2012
	

Unique reference number: 2103348	Parameter: Meter in the 10 kV line
Name of equipment: Electricity meter	Comment: 17/02/2012
	

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