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Validation Report

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VALIDATION OF THE CDM-PROJECT:
SICHUAN TONGJIANG GAOKENG HYDROPOWER
STATION PROJECT

REPORT NO. 1052745

2008, August 12

TÜV SÜD Industrie Service GmbH
Carbon Management Service
Westendstr. 199 - 80686 Munich – GERMANY

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Subject: Validation of a CDM Project	
Accredited TÜV SÜD Unit: TÜV SÜD Industrie Service GmbH Certification Body "climate and energy" Westendstr. 199 80686 Munich Germany	TÜV SÜD Contract Partner: TÜV SÜD Industrie Service GmbH Carbon Management Service Westendstr. 199 80686 Munich Germany
Client: Cargill International SA 14, Chemin De-Normandie, CH-1206, Geneva, Switzerland	Project Site(s): located at the main stream of Tongjiang river in Tongjiang county of Bazhong city, Sichuan province, China. GPS Coordinates: 107°13'43" E 31°51'26" N
Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project	
Applied Methodology / Version: AMS-I.D / Version 12	Scope(s): 1
First PDD Version: Date of issuance: 2007-08-27 Version No.: 02 Starting Date of GSP 2007-09-01	Final PDD version: Date of issuance: 2008-08-07 Version No.: 05
Estimated Annual Emission Reduction: 49 273 tCO ₂ e	
Assessment Team Leader: Dr. Sven Kolmetz	Further Assessment Team Members: Guide Wang Cuiyun (Rachel) Zhang
Summary of the Validation Opinion: <input checked="" type="checkbox"/> The review of the project design documentation and the subsequent follow-up interviews have provided TÜV SÜD with sufficient evidence to determine the fulfilment of all stated criteria. In our opinion, the project meets all relevant UNFCCC requirements for the CDM. Hence TÜV SÜD will recommend the project for registration by the CDM Executive Board in case letters of approval of all Parties involved will be available before the expiring date of the applied methodology(ies) or the applied methodology version respectively. <input type="checkbox"/> The review of the project design documentation and the subsequent follow-up interviews have not provided TÜV SÜD with sufficient evidence to determine the fulfilment of all stated criteria. Hence TÜV SÜD will not recommend the project for registration by the CDM Executive Board and will inform the project participants and the CDM Executive Board on this decision.	

Abbreviations

ACM	Approved Consolidated Methodology
AM	Approved Methodology
BM	Build Margin
CAR	Corrective Action Request
CDM	Clean Development Mechanism
CER	Certified Emission Reduction
CM	Combined Margin
CR	Clarification Request
DNA	Designated National Authority
DOE	Designated Operational Entity
EB	Executive Board
EF	Emission Factor
EIA / EA	Environmental Impact Assessment / Environmental Assessment
ER	Emission reduction
FSR	Feasibility Study Report
GHG	Greenhouse gas(es)
IRL	Information Reference List
IRR	Internal Rate of Return
KP	Kyoto Protocol
MP	Monitoring Plan
NDRC	National Development and Reform Commission
NGO	Non Governmental Organisation
OM	Operational Margin
PDD	Project Design Document
PP	Project Participant
TÜV SÜD	TÜV SÜD Industrie Service GmbH
UNFCCC	United Nations Framework Convention on Climate Change
VVM	Validation and Verification Manual

Table of Contents	Page
1 INTRODUCTION	5
1.1 Objective	5
1.2 Scope	5
2 METHODOLOGY	6
2.1 Appointment of the Assessment Team	8
2.2 Review of Documents	9
2.3 Follow-up Interviews.....	9
2.4 Resolution of Clarification and Corrective Action Requests	10
2.5 Internal Quality Control.....	10
3 SUMMARY OF FINDINGS	11
4 COMMENTS BY PARTIES, STAKEHOLDERS AND NGOS	14
5 VALIDATION OPINION	15

Annex 1: Validation Protocol

Annex 2: Information Reference List

1 INTRODUCTION

1.1 Objective

The validation objective is an independent assessment by a Third Party (Designated Operational Entity = DOE) of a proposed project activity against all defined criteria set for the registration under the Clean Development Mechanism (CDM). Validation is part of the CDM project cycle and will finally result in a conclusion by the executing DOE whether a project activity is valid and should be submitted for registration to the CDM-EB. The ultimate decision on the registration of a proposed project activity rests at the CDM Executive Board and the Parties involved.

The project activity discussed by this validation report has been submitted under the project title:

Sichuan Tongjiang Gaokeng Hydropower Station Project.

1.2 Scope

The scope of any assessment is defined by the underlying legislation, regulation and guidance given by relevant entities or authorities. In the case of CDM project activities the scope is set by:

- The Kyoto Protocol, in particular § 12
- Decision 2/CMP1 and Decision 3/CMP.1 (Marrakech Accords)
- Further COP/MOP decisions with reference to the CDM (e.g. decisions 4 – 8/CMP.1)
- Decisions by the EB published under <http://cdm.unfccc.int>
- Specific guidance by the EB published under <http://cdm.unfccc.int>
- Guidelines for Completing the Project Design Document (CDM-PDD), and the Proposed New Baseline and Monitoring Methodology (CDM-NM)
- The applied approved methodology
- The technical environment of the project (technical scope)
- Internal and national standards on monitoring and QA/QC
- Technical guideline and information on best practice

The validation 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.

Once TÜV SÜD receives a first PDD version, it is made publicly available on the internet at TÜV SÜD's webpage as well as on the UNFCCC CDM-webpages for starting a 30 day global stakeholder consultation process (GSP). In case of any request a PDD might be revised (under certain conditions the GSP will be repeated) and the final PDD will form the basis for the final evaluation as presented by this report. Information on the first and on the final PDD version is presented at page 1.

The only purpose of a validation is its use during the registration process as part of the CDM project cycle. Hence, TÜV SÜD can not be held liable by any party for decisions made or not made based on the validation opinion, which will go beyond that purpose.

2 METHODOLOGY

The project assessment aims at being a risk based approach and is based on the methodology developed in the Validation and Verification Manual, an initiative of Designated and Applicant Entities, which aims to harmonize the approach and quality of all such assessments.

In order to ensure transparency, a validation protocol was customised for the project. TÜV SÜD developed a “cook-book” for methodology-specific checklists and protocol based on the templates presented by the Validation and Verification Manual. The protocol shows, in a transparent manner, criteria (requirements), the discussion of each criterion by the assessment team and the results from validating the identified criteria. The validation protocol serves the following purposes:

- It organises, details and clarifies the requirements a CDM project is expected to meet;
- It ensures a transparent validation process where the validator will document how a particular requirement has been validated and the result of the validation.

The validation protocol consists of three tables. The different columns in these tables are described in the figure below.

The completed validation protocol is enclosed in Annex 1 to this report.

Validation Protocol Table 1: Conformity of Project activity and PDD				
Checklist Topic / Question	Reference	Comments	PDD in GSP	Final PDD
The checklist is organised in sections following the arrangement of the applied PDD version. Each section is then further subdivided. The lowest level constitutes a checklist question / criterion.	Gives reference to documents where the answer to the checklist question or item is found in case the comment refers to documents other than the PDD.	The section is used to elaborate and discuss the checklist question and/or the conformance to the question. It is further used to explain the conclusions reached. In some cases sub-checklist are applied indicating yes/no decisions on the compliance with the stated criterion. Any Request has to be substantiated within this column	Conclusions are presented based on the assessment of the first PDD version. This is either acceptable based on evidence provided (☑), or a Corrective Action Request (CAR) due to non-compliance with the checklist question (See below). Clarification Request (CR) is used when the validation team has identified a need for further clarification.	Conclusions are presented in the same manner based on the assessment of the final PDD version.

Validation Protocol Table 2: Resolution of Corrective Action and Clarification Requests			
Clarifications and corrective action requests	Ref. to table 1	Summary of project owner response	Validation team conclusion
If the conclusions from table 1 are either a Corrective Action Request or a Clarification Request, these should be listed in this section.	Reference to the checklist question number in Table 1 where the Corrective Action Request or Clarification Request is explained.	The responses given by the client or other project participants during the communications with the validation team should be summarised in this section.	This section should summarise the validation team's responses and final conclusions. The conclusions should also be included in Table 1, under "Final PDD".

In case of a denial of the project activity more detailed information on this decision will be presented in table 3.

Validation Protocol Table 3: Unresolved Corrective Action and Clarification Requests		
Clarifications and corrective action requests	Id. of CAR/CR 1	Explanation of the Conclusion for Denial
If the final conclusions from table 2 results in a denial the referenced request should be listed in this section.	Identifier of the Request.	This section should present a detail explanation, why the project is finally considered not to be in compliance with a criterion.

2.1 Appointment of the Assessment Team

According to the technical scopes and experiences in the sectoral or national business environment TÜV SÜD has composed a project team in accordance with the appointment rules of the TÜV SÜD certification body “climate and energy”. The composition of an assessment team has to be approved by the Certification Body ensuring that the required skills are covered by the team. The Certification Body TÜV SÜD operates four qualification levels for team members that are assigned by formal appointment rules:

- Assessment Team Leader (ATL)
- Greenhouse Gas Auditor (GHG-A)
- Greenhouse Gas Auditor Trainee (T)
- Experts (E)

It is required that the sectoral scope linked to the methodology has to be covered by the assessment team.

The validation team was consisting of the following experts (the responsible Assessment Team Leader is written in bold letters):

Name	Qualification	Coverage of technical scope	Coverage of sectoral expertise	Host country experience
Dr. Sven Kolmetz	ATL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Cuiyun (Rachel) Zhang	GHG-A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Guide Wang	GHG-A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Dr. Sven Kolmetz is physicist and head at the department “TÜV Carbon Management Service” located in the head office of TÜV SÜD Industrie Service GmbH in Munich, Germany. Furthermore he is officially authorized expert in the verification of GHG emissions in the framework of the European Emission Trading Scheme. Before entering TÜV SÜD he worked as energy consultant for industrial companies and as consultant for the German Federal Government on instruments for the reduction of GHG emissions.

Cuiyun (Rachel) Zhang is an auditor for environmental management systems (according to ISO 14001) at Jiangsu TUV Product Service Ltd. She is based in Shanghai. In her position she is responsible for the implementation of validation, verification and certifications audits for management systems. She has received training in the CDM validation process and participated already in several CDM project assessments.

Guide Wang – is an auditor for environmental management systems (according to ISO 14001) at Jiangsu TUV Product Service Ltd. He is based in Shanghai. In his position she is responsible for the implementation of validation, verification and certifications audits for management systems. She has received training in the CDM validation process and participated already in several CDM project assessments as an auditor.

2.2 Review of Documents

The first PDD version submitted by the client and additional background documents related to the project design and baseline were reviewed as initial step of the validation process. A complete list of all documents and proofs reviewed is attached as annex 2 to this report.

2.3 Follow-up Interviews

On September 7th, 2007 TÜV SÜD performed interviews on-site with project stakeholders to confirm selected information and to resolve issues identified in the first document review. The table below provides a list of all persons interviewed in the context of this on-site visit.

Name	Organisation
Shunsheng Kang (General Engineer)	Sichuan Yili Energy Investment Development Co., Ltd
Tianfu Chen (Vice General Manager)	Sichuan Yili Energy Investment Development Co., Ltd
Christophe Assicot (Consultant)	Caspervandertak Consulting
Yonghong Zhao (Project Manager)	Gansu Tonghe Investment Project Consulting Co., Ltd

2.4 Resolution of Clarification and Corrective Action Requests

The objective of this phase of the validation is to resolve the requests for corrective actions and clarifications and any other outstanding issues which needed to be clarified for TÜV SÜD's positive conclusion on the project design. The Corrective Action Requests and Clarification Requests raised by TÜV SÜD were resolved during communication between the client and TÜV SÜD. To guarantee the transparency of the validation process, the concerns raised and responses that have been given are summarised in chapter 3 below and documented in more detail in the validation protocol in annex 1.

2.5 Internal Quality Control

As final step of a validation the validation report and the protocol have to undergo an internal quality control procedure by the Certification Body "climate and energy", i.e. each report has to be approved either by the head of the certification body or his deputy. In case one of these two persons is part of the assessment team approval can only be given by the other one.

It rests at the decision of TÜV SÜD's Certification Body whether a project will be submitted for re-requesting registration by the EB or not.

3 SUMMARY OF FINDINGS

As informed above all findings are summarized in table 2 of the attached validation protocol.

History of the validation process

A first version of the PDD was submitted to the DOE in August 2007. Based on this documentation, a document review and a fact finding mission in form of an on-site audit was performed in September 2007. Afterwards, the client revised the PDD according to the requests indicated during the assessment work. The final PDD version that was submitted in Aug. 2008 serves as the basis for the final assessment presented herewith. Changes are not considered to be significant with respect to the qualification of the project as a CDM project based on the two main objectives of the CDM, i.e. to achieve a reduction of anthropogenic GHG emissions and to contribute to a sustainable development.

Project description

The following description of the project as per PDD could be verified during the on-site audit:

Sichuan Tongjiang Gaokeng Hydropower Station Project involves the construction and operation of a 15MW hydropower plant located at the main stream of Tongjiang river in Tongjiang county of Bazhong city, Sichuan province.

The engineering design of the project has an installed capacity of 15MW with an expected annual supply of 50,560.4 MWh to Central China Power Grid (CCPG). The project will reduce 49,273 tons CO₂ equivalent of anthropogenic emission of greenhouse gases (GHGs) annually by partly avoiding operation of existing thermal power plant and future expansion of fossil fuel-based generation by CCPG.

Findings

In total the assessment team expressed 2 Clarification Requests and 13 Corrective Action Requests.

The key findings during the validation process were related to inconsistencies of information in the PDD (CAR 1,8,10, 13) , the provision of information which was missing or not updated

(CAR 2, 3, 4, 6, 7, 9, 11, and CR 1, 2); Some additional material regarding the CDM consideration and stakeholders' comments had to be delivered to the DOE for clarification (CAR 7, 12).

For more information on each CAR and CR and their solution, please see table 2 of annex 1.

After closing all the open questions the PDD is in compliance with the CDM requirements.

Baseline calculation

The calculation of the baseline emissions followed the procedures described in the methodology AMS-I.D Version 12. The Central China Power Grid is considered to be the project boundary.

The operating margin emission factor (EF_{OM}) was determined based on the simple OM method. The ex-ante option was chosen for this calculation. The calculation of the build margin emission factor (EF_{BM}) was based on modified methods agreed by the EB, because plant specific data are not available in China. The emission factor of the thermal power plants was calculated by the proportion of the emissions of coal, gas and oil times the emission factor of the best available coal, gas and oil power plant as defined and published by the Chinese DNA. The new thermal capacity installation

that exceeded 20% in the last years, for which data was available, was finally assessed with this factor.

The values for EF_{OM} and EF_{BM} were adopted from the latest publication of the NDRC (August 2007). This is in line with current EB requirements (i.e. EB25, §59, and ACM0002, Version 06) where country specific data should be applied where available.

The value for the combined margin emission factor (EF_{CM}) was determined using the weighted average of the EF_{BM} and EF_{OM} using the default values for the factors as described in the methodology (0.5 for hydro plants). As per the methodology, the project does not need to consider leakage or project emissions. As a result, the annual emission reductions equal the annual baseline emissions. In summary, the calculation of the baseline emissions and the emission reductions, respectively, can be considered as correct.

Additionality

The additionality of this project as well as the timeline with respect to the early CDM consideration was checked thoroughly by the assessment team.

The chronological listing of the major events associated with the proposed project activity and the description in the end of B.5 of the PDD clearly indicates that CDM was seriously considered before the starting date. The project started with the equipment purchasing on July. 23, 2005 that is considered to be the date on which the project participant has committed to expenditures related to the implementation of the project activity. Prior to that date, CDM was seriously taken into consideration which was demonstrated by the board meeting minute dated April.11, 2005. These evidences were verified by assessment team.

According to the Attachment A to Appendix B of the simplified modalities and procedures of small scale project activities, the investment barrier is identified as main barrier in the PDD.

The benchmark analysis was applied to demonstrate that the project activity is not economically or financially feasible without the revenue from the sale of CERs. The assessment team has checked all sources of the IRR calculation, as presented in the PDD. The source is the "Preliminary Design Report" of the project, dated in Dec. 2004, and approved by local authority on March 9, 2005, that is official documents and available at the time of investment decision, hence they are considered to be the most appropriate source for the financial analysis of the project activity.

All applied values used in the PDD are fully consistent with the preliminary design report, and the total investment, operating costs as well as operation hours are consistent with the specification of the project activity, and also estimated reasonably compared to similar projects. The tariff used in PDR has been verified as reasonable because the one used in the PDR is 0.266 Yuan RMB/ kWh (without VAT) which is higher than the one (0.246 Yuan RMB/ kWh (without VAT) indicated in the official tariff document issued by Sichuan Price Bureau on 29th, June, 2006. In summary, the assessment team checked the applied values thoroughly and based on local and sectoral expertise, and confirms that these values are realistic and credible and appear to be valid and applicable at the time of investment decision was made.

The selected benchmark of 10%, the "Economic Evaluation Code for Small Hydropower Project SL16-95, was frequently used for small scale hydro projects in the Chinese power sector and also referred to by the preliminary design report and was therefore found to be appropriate for this project

activity. The project IRR without CER revenue is 8.59%, which shows that the project is not financially attractive compared to the benchmark in the absence of CDM benefit.

A sensitivity analysis is performed, by taking into account 10% variations in total investment, annual O&M costs as well as the annual operating hours and the grid tariff. The variation is considered appropriate as it is consistent with the approach taken by the official Chinese Standard document “Interim provisions concerning hydropower construction project financial assessment” and in accordance with the general guidance provided by the “Document for Registered Engineering Consultants in China”, published by the China Planning Press under the supervision of the National Development & Reform Commission. The results indicated it is highly unlikely that the IRR would overcome the benchmark, thereby demonstrating that the project activity is not viable without any CDM revenues. The assessment team was able to verify the results of the sensitivity analysis and confirm that the necessary increase and decrease in these parameters in order to overcome the benchmark is impossible.

To conclude the additionality assessment we can state that, according to all the documents we have reviewed, we can confirm the additionality of the project based on the available information.

4 COMMENTS BY PARTIES, STAKEHOLDERS AND NGOS

TÜV SÜD published the project documents on UNFCCC website by installing a link to TÜV SÜD's own website and invited comments by Parties, stakeholders and non-governmental organisations during a period of 30 days.

The following table presents all key information on this process:

webpage: https://www.netinform.de/KE/Wegweiser/Guide2.aspx?ID=3913&Ebene2_ID=1106&Ebene1_ID=26	
Starting date of the global stakeholder consultation process: 2007-09-01	
Comment submitted by: none	Issues raised: -
Response by TÜV SÜD: -	

5 VALIDATION OPINION

TÜV SÜD has performed a validation of the following proposed CDM project activity:


Sichuan Tongjiang Gaokeng Hydropower Station Project

The review of the project design documentation and the subsequent follow-up interviews have provided TÜV SÜD with sufficient evidence to determine the fulfilment of stated criteria. In our opinion, the project meets all relevant UNFCCC requirements for the CDM. Hence TÜV SÜD will recommend the project for registration by the CDM Executive Board.

An analysis as provided by the applied methodology demonstrates that the proposed project activity is not a likely baseline scenario. Emission reductions attributable to the project are hence additional to any that would occur in the absence of the project activity. Given that the project is implemented as designed, the project is likely to achieve the estimated amount of emission reductions as specified within the final PDD version.

The validation is based on the information made available to us and the engagement conditions detailed in this report. The validation has been performed using a risk based approach as described above. The only purpose of this report is its use during the registration process as part of the CDM project cycle. Hence, TÜV SÜD can not be held liable by any party for decisions made or not made based on the validation opinion, which will go beyond that purpose.

Munich, 2008-08-12



Certification Body "climate and energy"
TÜV SÜD Industrie Service GmbH

Munich, 2008-08-12



Assessment Team Leader

Validation of the CDM Project:
Sichuan Tongjiang Gaokeng Hydropower Station Project



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Annex 1: Validation Protocol

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



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CHECKLIST TOPIC / QUESTION	Ref.	COMMENTS	PPD in GSP	Final PDD
A. General description of small-scale project activity				
A.1. Title of the small-scale project activity				
A.1.1. Does the used project title clearly enable to identify the unique CDM activity?	1, 2	Yes, the project title is "Sichuan Tongjiang Gaokeng Hydropower Station Project"; the project is titled with the name of the project location and the energy source of the project. Hence, it can be clearly identified.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
A.1.2. Are there any indication concerning the revision number and the date of the revision?	1, 2, 47	Yes, the available PDD is indicated as version 5.0 dated August 7th, 2008.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
A.1.3. Is this consistent with the time line of the project's history?	1, 2	Yes, a revision history of the PDD is included in chapter A.1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
A.2. Description of the small-scale project activity				
A.2.1. Is the description delivering a transparent overview of the project activities?	1, 6, 7, 9, 11	<u>Corrective Action Request No.1.</u> The technical parameter, such as the quantity of water intake and sand sluice, provided in the PDD are different from the actual data checked on site. Please correct this information in the PDD.	CAR1	<input checked="" type="checkbox"/>
A.2.2. What proofs are available demonstrating that the project description is in compliance with the actual situation or planning?	1, 6, 7, 8, 9, 10, 11, 12	The project activity is the displacement of electricity generated by coal fired power plants with electricity generated by hydro power. The following documents deliver evidences for the project activity: <ul style="list-style-type: none"> - Feasibility study approval - Initial Design and approval - EIA and approval Feasibility study report and Preliminary design report are performed by Hydraulic and Hydroelectric Construction Survey Design Institute of Zigong City respectively in 10/2004 and 12/2004. Feasibility study report was approved on 02/12/2004 and preliminary design report was approved on 9/03/2004 by Bazhong De-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



Industrie Service

CHECKLIST TOPIC / QUESTION	Ref.	COMMENTS	PPD in GSP	Final PDD
		velopment and Reform Committee Office. From the onsite interview, the main construction of dam was almost finished except 4 flood gates, and two turbines are under installation.		
A.2.3. Is the information provided by these proofs consistent with the information provided by the PDD?	1, 2	There is no contradiction between the information provided by these proofs and the PDD.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
A.2.4. Is all information presented consistent with details provided by further chapters of the PDD?	1,2,6,7,9,11	No, please see CAR1.	See CAR1	<input checked="" type="checkbox"/>
A.2.5. Does the description of the technology to be applied provide sufficient and transparent input to evaluate its impact on the greenhouse gas balance?	1,2,6,7,9,11	Yes, the project activity comprises the use of hydro power for the substitution of grid supplied electricity mainly from coal fired plants. There is no doubt that this technology will reduce the GHG emissions significantly.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
A.2.6. Is the brief explanation how the project will reduce greenhouse gas emission transparent and suitable?	1,2,6,7,8,9,10	Yes. The proposed project will generate power from hydropower and substitute relevant generation from thermal power plant of the Central China Grid, and then will reduce Greenhouse Gas emission.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
A.3. Project participants				
A.3.1. Is the form required for the indication of project participants correctly applied?	1,2,46	The form is correctly applied. Sichuan Yili Energy Investment Development Co., Ltd. and Cargill International SA are considered as the project participants.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
A.3.2. Is the participation of the listed entities or Parties confirmed by each one of them?	1,2,31,33,46,54	Open Issue The LoA from China and Switichland DNA and Certified Emission Reduction Purchase Agreement are ready and provided to the validator.	Open Issue	<input checked="" type="checkbox"/>
A.3.3. Is all information on participants / Par-	1, 2	Yes, the information of the above project participants is listed in	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

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Number of Pages: 38



Industrie Service

CHECKLIST TOPIC / QUESTION	Ref.	COMMENTS	PPD in GSP	Final PDD
ties provided in consistency with details provided by further chapters of the PDD (in particular annex 1)?		Annex 1.		
A.4. Technical description of the small-scale project activity				
<i>A.4.1. Location of the small-scale project activity</i>				
A.4.1.1. Does the information provided on the location of the project activity allow for a clear identification of the site(s)?	1, 2, 7, 9	The project location could be clearly identified according to the PDD. The project activity is located at the main stream of Tongjiang river in Tongjiang county of Bazhong city, Sichuan province. The site location's approximate coordinates are east longitude of 107°13'43" and north latitude of 31°51'26".	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
A.4.1.2. How is it ensured and/or demonstrated, that the project proponents can implement the project at this site (ownership, licenses, contracts etc.)?	1, 6, 8, 10, 12, 15, 21, 37	The EIA of the proposed project was approved by Sichuan Province Environmental Protection Bureau on December 13th, 2004. The Feasibility Study and Initial Design were respectively approved by Bazhong Development and Reform Committee Office on December 2nd, 2004 and March 9th, 2005.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<i>A.4.2. Type and category(ies) and technology/measure of the small-scale project activity</i>				
A.4.2.1. To which type(s) does the project activity belong to? Is the type correctly identified and indicated?	1, 2	Yes. The project activity utilizes hydropower for electricity generation, which falls into scope 1: renewable energy project.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
A.4.2.2. To which category (ies) does the project activity belong to? Is the category correctly identified and indicated?	1, 2, 7, 8, 9, 10, 21	Yes. The total installed capacity of the proposed project is equal to 15MW, not exceeding the threshold capacity of 15MW, and the power generated is exported to the Central China Grid. So the project activity falls into Category I.D.-Renewable Electricity Generation for a grid	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
A.4.2.3. Does the technical design of the project activity reflect current good practices?	1, 2, 7, 8, 9, 10, 21	Yes. Chinese small hydro power technology is quite mature and it reflects current good practices.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Validation Protocol

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Number of Pages: 38



Industrie Service

CHECKLIST TOPIC / QUESTION	Ref.	COMMENTS	PPD in GSP	Final PDD
A.4.2.4. Does the implementation of the project activity require any technology transfer from Annex-I-countries to the host country (ies)?	1, 2, 21	No, the power units will use national equipments.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
A.4.2.5. Is the technology implemented by the project activity environmentally safe?	1, 2, 11, 12	Yes. The main environmental impacts will be brought about during the construction period, which are small and some of the impacts are temporary and short lived. The employed environmental protecting methods will reduce and avoid the negative impacts.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
A.4.2.6. Is the information provided in compliance with actual situation or planning?	1, 2, 5, 6, 21	Two turbine/generator units with an individual capacity of 7.5MW will be installed. The turbine/generator units and other auxiliary facilities are manufactured by Fujian Nanping Nandian Hydropower Equipments Manufacturing Co. Ltd. See also CAR1.	See CAR1	<input checked="" type="checkbox"/>
A.4.2.7. Does the project use state of the art technology and / or does the technology result in a significantly better performance than any commonly used technologies in the host country?	1, 2	The common practice for electricity generation is still coal-fired power plant. Hence, the project definitely would result in a better performance than the common practice.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
A.4.2.8. Is the project technology likely to be substituted by other or more efficient technologies within the project period?	1, 2, 7, 9	We do not expect that there will be a substitution. The Initial Design of the project clearly shows that this technology is suitable to be employed at the site.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
A.4.2.9. Does the project require extensive initial training and maintenance efforts in order to be carried out as scheduled during the project period?	1, 2, 44	<u>Corrective Action Request No.2.</u> More information should be provided about the relevant trainings to be planned and executed for the correct implementation of the project.	CAR2	<input checked="" type="checkbox"/>
A.4.2.10. Is information available on the demand and requirements for training and maintenance?	1, 2, 44	See CAR2	See CAR2	<input checked="" type="checkbox"/>

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



Industrie Service

CHECKLIST TOPIC / QUESTION	Ref.	COMMENTS	PPD in GSP	Final PDD
A.4.2.11. Is a schedule available for the implementation of the project and are there any risks for delays?	1, 2, 4,5,6	Yes, the planning schedule in the past and for the future was clearly described during the audit and in the PDD. The main construction of the dam is almost finished except 4 flood gates, and the two turbines are under installation. The project with a small risk of delay is the part of dam construction on the right bank of the river that has to be stopped when the flood comes, and there is a long flood season in Tongjiang City.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
A.4.3. Estimated amount of emission reductions over the chosen crediting period				
A.4.3.1. Is the form required for the indication of projected emission reductions correctly applied?	1, 2	Yes. The form is correctly applied according to SSC PDD format revision Guideline.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
A.4.3.2. Are the figures provided consistent with other data presented in the PDD?	1, 2	Yes, the figures are consistent with the data included in the PDD.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
A.4.3.3. Are the figures consistent with the small-scale criteria for the used Type?	1, 2	Yes, the total installed capacity of the proposed project is consistent with the small-scale criteria for the renewable sources.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
A.4.4. Public funding of the small-scale project activity				
A.4.4.1. Is the information provided on public funding provided in compliance with the actual situation or planning as available by the project participants?	1, 2	Yes. There is no public funding necessary; all costs are covered by bank loans and private equity. <u>Corrective Action Request No.3.</u> The estimated amount of emission reductions should be revised according to the evidence of the on site audits that emergency diesel generators will be utilized in the power plant. Project emissions should be taken into account in the calculations. Otherwise it can be shown that the emissions are negligible (< 1% of the emission reduction) and that they can be monitored in case of an emergency (or specifying that no emission reduction would be asked during the time of emergency).	CAR3	<input checked="" type="checkbox"/>

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



Industrie Service

CHECKLIST TOPIC / QUESTION	Ref.	COMMENTS	PPD in GSP	Final PDD										
A.4.4.2. Is all information provided consistent with the details given in remaining chapters of the PDD (in particular annex 2)?	1, 2	Yes, the statements are consistent within the PDD.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										
A.4.5. Confirmation that the small-scale project activity is not a debundled component of a large scale project activity														
A.4.5.1. Is there a registered small-scale CDM project activity or an application to register another small-scale CDM project activity: with the following characteristics:	1, 2, 6, 7, 8, 9, 10	<table><tr><th>Debundling checklist</th><th>Yes / No</th></tr><tr><td>the same project participants?</td><td>No</td></tr><tr><td>In the same project category and technology/measure?</td><td>No</td></tr><tr><td>Registered within previous two years? Or in registration process?</td><td>No</td></tr><tr><td>Whose boundary is within 1 km of the project boundary of the small scale project activity under consideration?</td><td>No</td></tr></table>	Debundling checklist	Yes / No	the same project participants?	No	In the same project category and technology/measure?	No	Registered within previous two years? Or in registration process?	No	Whose boundary is within 1 km of the project boundary of the small scale project activity under consideration?	No	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Debundling checklist	Yes / No													
the same project participants?	No													
In the same project category and technology/measure?	No													
Registered within previous two years? Or in registration process?	No													
Whose boundary is within 1 km of the project boundary of the small scale project activity under consideration?	No													
A.4.5.2. If the answer to all the above question is 'Yes' then does the total size of the small scale project activity combined with previously registered small scale CDM project activity exceeds the limits of small scale CDM project activities?	1, 2	N/A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										
B. Application of a baseline and monitoring methodology														
B.1. Title and reference of the approved baseline and monitoring methodology applied to the small-scale project activity														
B.1.1.1.Are reference number, version number, and title of the baseline and monitoring methodology clearly indicated?	1, 2	Yes, version 12 of AMS-I.D. has been applied and the reference is clearly indicated.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										
B.1.1.2.Is the applied version the most recent one and / or is this version still applica-	1, 2	Yes, it is: version 12 for AMS-I.D and version 6 for ACM0002	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



Industrie Service

CHECKLIST TOPIC / QUESTION	Ref.	COMMENTS	PPD in GSP	Final PDD								
ble?												
B.2. Justification of the choice of the project category												
B.2.1. Is the applied methodology considered the most appropriate one?	1, 2	Yes. The approved methodology AMS-I.D. (version 12) is exactly applicable to the small scale hydropower projects.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								
B.2.1.1. Criterion 1: This category comprises renewable energy generation units, such as photovoltaics, hydro, tidal/wave, wind, geothermal and renewable bio-mass, that supply electricity to and/or displace electricity from an electricity distribution system that is or would have been supplied by at least one fossil fuel fired generating unit.	1, 2	<table><tr><td>Applicability checklist</td><td>Yes / No / NA</td></tr><tr><td>Criterion discussed in the PDD?</td><td>Yes</td></tr><tr><td>Compliance provable?</td><td>Yes</td></tr><tr><td>Compliance verified?</td><td>Yes</td></tr></table>	Applicability checklist	Yes / No / NA	Criterion discussed in the PDD?	Yes	Compliance provable?	Yes	Compliance verified?	Yes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Applicability checklist	Yes / No / NA											
Criterion discussed in the PDD?	Yes											
Compliance provable?	Yes											
Compliance verified?	Yes											
B.2.1.2. Criterion 2: If the unit added has both renewable and non-renewable components (e.g.. a wind/diesel unit), the eligibility limit of 15MW for a small-scale CDM project activity applies only to the renewable component. If the unit added co-fires fossil fuel, the capacity of the entire unit shall not exceed the limit of 15MW.	1, 2	<table><tr><td>Applicability checklist</td><td>Yes / No / NA</td></tr><tr><td>Criterion discussed in the PDD?</td><td>Yes</td></tr><tr><td>Compliance provable?</td><td>Yes</td></tr><tr><td>Compliance verified?</td><td>Yes</td></tr></table>	Applicability checklist	Yes / No / NA	Criterion discussed in the PDD?	Yes	Compliance provable?	Yes	Compliance verified?	Yes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Applicability checklist	Yes / No / NA											
Criterion discussed in the PDD?	Yes											
Compliance provable?	Yes											
Compliance verified?	Yes											
B.2.1.3. Criterion 3: Biomass combined heat and power (co-generation) systems that supply electricity to and/or displace electricity from a grid are included in this category. To qualify under this category,	1, 2	<table><tr><td>Applicability checklist</td><td>Yes / No / NA</td></tr><tr><td>Criterion discussed in the PDD?</td><td>NA</td></tr><tr><td>Compliance provable?</td><td>NA</td></tr><tr><td>Compliance verified?</td><td>NA</td></tr></table>	Applicability checklist	Yes / No / NA	Criterion discussed in the PDD?	NA	Compliance provable?	NA	Compliance verified?	NA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Applicability checklist	Yes / No / NA											
Criterion discussed in the PDD?	NA											
Compliance provable?	NA											
Compliance verified?	NA											

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



Industrie Service

CHECKLIST TOPIC / QUESTION	Ref.	COMMENTS	PPD in GSP	Final PDD								
the sum of all forms of energy output shall not exceed 45 MWthermal e.g. for a biomass based co-generating system the rating for all the boilers combined shall not exceed 45 MWthermal.												
B.2.1.4. Criterion 4: In the case of project activities that involve the addition of renewable energy generation units at an existing renewable power generation facility, the added capacity of the units added by the project should be lower than 15 MW and should be physically distinct1 from the existing units.	1, 2	<table><tr><td>Applicability checklist</td><td>Yes / No / NA</td></tr><tr><td>Criterion discussed in the PDD?</td><td>Yes</td></tr><tr><td>Compliance provable?</td><td>Yes</td></tr><tr><td>Compliance verified?</td><td>Yes</td></tr></table>	Applicability checklist	Yes / No / NA	Criterion discussed in the PDD?	Yes	Compliance provable?	Yes	Compliance verified?	Yes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Applicability checklist	Yes / No / NA											
Criterion discussed in the PDD?	Yes											
Compliance provable?	Yes											
Compliance verified?	Yes											
B.2.1.5. Criterion 5: Project activities that seek to retrofit or modify an existing facility for renewable energy generation are included in this category. To qualify as a small scale project, the total output of the modified or retrofitted unit shall not exceed the limit of 15 MW.	1, 2	<table><tr><td>Applicability checklist</td><td>Yes / No / NA</td></tr><tr><td>Criterion discussed in the PDD?</td><td>Yes</td></tr><tr><td>Compliance provable?</td><td>Yes</td></tr><tr><td>Compliance verified?</td><td>Yes</td></tr></table>	Applicability checklist	Yes / No / NA	Criterion discussed in the PDD?	Yes	Compliance provable?	Yes	Compliance verified?	Yes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Applicability checklist	Yes / No / NA											
Criterion discussed in the PDD?	Yes											
Compliance provable?	Yes											
Compliance verified?	Yes											
B.3. Description of the project boundary												
B.3.1. Does the project boundary include physical, geographical site where the project activity takes place?	1, 2,6,19	Yes, the boundary of the proposed project is Central China Power Grid, which includes the Sichuan, Henan, Hubei, Hunan, and Jiangxi and Chongqing city power grids and which is consistent with the guideline published in August, 2007 by NDRC.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								
B.3.2. Do the spatial and technological boundaries as verified on-site comply with the	1, 2,6.1	Central China Grid is selected as the project boundary and it has	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



Industrie Service

CHECKLIST TOPIC / QUESTION	Ref.	COMMENTS	PPD in GSP	Final PDD
discussion provided by / indication included to the PDD?	9	been verified on site.		
B.4. Description of baseline and its development				
B.4.1. Have all technically feasible baseline scenario alternatives to the project activity been identified and discussed by the PDD? Why can this list be considered as being complete?	1, 2	<u>Corrective Action Request No.4.</u> The PDD neither identify and discuss any technically feasible baseline scenarios alternatives, nor exclude the options not in line with regulatory or legal requirements. Please provide more information on this issue.	CAR4	<input checked="" type="checkbox"/>
B.4.2. Does the project identify correctly and excludes those options not in line with regulatory or legal requirements?	1, 2	See CAR4. The baseline scenario is the continued operation of the existing power plant in the system and the addition of new generation sources to meet electricity demand. According to AMS I.D version 12. the baseline emissions is equal to power generated by the project activity, multiplied by the baseline emission factor.	See CAR4	<input checked="" type="checkbox"/>
B.4.3. Have applicable regulatory or legal requirements been identified?	1, 2, 14, 29, 44	Not applicable.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B.4.4. Does the PDD identify the most likely baseline scenario in absence of the project activity?	1, 2	Yes, the most likely baseline scenario is the electricity supplied by the Central China Grid.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B.4.5. Is this identification supported by official and/or verifiable documents (e.g. studies, web pages, certificates, etc)?	1, 2	Yes, the evidences used by the PDD have been verified by the audit team.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B.4.6. Is the identified baseline scenario in line with regulatory or legal requirements?	1, 2	Yes, the baseline respects regulatory and legal requirements.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



Industrie Service

CHECKLIST TOPIC / QUESTION		Ref.	COMMENTS	PPD in GSP	Final PDD
B.5. Description of how the anthropogenic emissions of GHG by sources are reduced below those that would have occurred in the absence of the registered small-scale CDM project activity:					
B.5.1.	In case of applying step 2 / investment analysis of the additionality tool: Is the analysis method identified appropriately (step 2a)?	1, 2	Attached A to Appendix B of the simplified modalities and procedures for CDM small-scale project activities (version 6) is used to analyze the additionality of the proposed project. So this question is not applicable.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B.5.2.	In case of Option I (simple cost analysis): Is it demonstrated that the activity produces no economic benefits other than CDM income?	1, 2	N/A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B.5.3.	In case of Option II (investment comparison analysis): Is the most suitable financial indicator clearly identified (IRR, NPV, cost benefit ratio, or (levelized) unit cost)?	1, 2	N/A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B.5.4.	In case of Option III (benchmark analysis): Is the most suitable financial indicator clearly identified (IRR, NPV, cost benefit ratio, or (levelized) unit cost)?	1, 2	N/A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B.5.5.	In case of Option II or Option III: Is the calculation of financial figures for this indicator correctly done for all alternatives and the project activity?	1, 2	N/A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B.5.6.	In case of Option II or Option III: Is the analysis presented in a transparent manner including publicly available proofs for the utilized data?	1, 2	N/A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B.5.7.	In case of applying step 3 (barrier analysis) of the additionality tool: Is a complete	1, 2	N/A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



Industrie Service

CHECKLIST TOPIC / QUESTION		Ref.	COMMENTS	PPD in GSP	Final PDD
list of barriers developed that prevent the different alternatives to occur?					
B.5.8.	In case of applying step 3 (barrier analysis): Is transparent and documented evidence provided on the existence and significance of these barriers?	1, 2	N/A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B.5.9.	In case of applying step 3 (barrier analysis): Is it transparently shown that the execution of at least one of the alternatives is not prevented by the identified barriers?	1, 2	N/A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B.5.10.	Have other activities in the host country / region similar to the project activity been identified and are these activities appropriately analyzed by the PDD (step 4a)?	1, 2	N/A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B.5.11.	If similar activities are occurring: Is it demonstrated that in spite of these similarities the project activity would not be implemented without the CDM component (step 4b)?	1, 2	N/A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B.5.12.	Is it appropriately explained how the approval of the project activity will help to overcome the economic and financial hurdles or other identified barriers (step 5)?	1, 2	N/A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
If the additionality tool has not been used please answer B.5.13 to B.5.18					
B.5.13.	If the starting date of the project activity is before the date of validation, is evidence available to prove that incentive from the	1, 2, 13, 15, 2	<u>Corrective Action Request No.5.</u> No evidence to proof that CDM has been seriously considered in	CAR5	<input checked="" type="checkbox"/>

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



Industrie Service

CHECKLIST TOPIC / QUESTION	Ref.	COMMENTS	PPD in GSP	Final PDD															
CDM was seriously considered in the decision to proceed with the project activity?	6,27, 30,3 1,33, 48,5 2,32	the decision to proceed with the project activity has been provided to the validator. Please clarify this issue.																	
B.5.14. Is a complete list of barriers developed that prevents the project activity to occur?	1, 2	Yes a complete list according to Attachment A to Appendix B of the simplified modalities and procedures for CDM small scale projects is included. The Investment barrier is the one identified and analyzed in the PDD.	☑	☑															
B.5.15. Does this list include at least one of the following barriers?	1, 2	<table><tr><th>Barrier</th><th>Discussed?</th><th>Verifiable?</th></tr><tr><td>Investment</td><td>Yes</td><td>Yes</td></tr><tr><td>Technological</td><td>No</td><td>No</td></tr><tr><td>Due to prevailing practice</td><td>No</td><td>No</td></tr><tr><td>Other</td><td>No</td><td>No</td></tr></table>	Barrier	Discussed?	Verifiable?	Investment	Yes	Yes	Technological	No	No	Due to prevailing practice	No	No	Other	No	No	☑	☑
Barrier	Discussed?	Verifiable?																	
Investment	Yes	Yes																	
Technological	No	No																	
Due to prevailing practice	No	No																	
Other	No	No																	
B.5.16. Does the discussion sufficiently take into account relevant national and/or sectoral policies?	1, 2, 9,15, 16,2 0, 24,2 5,34, 35,3 6,29, 38,3 9,40, 41,4 3,49, 50,5 1,53	Yes, the General statement for bank loaning policy by ICBC has been taken into account together with the IRR benchmark for Small hydropower station in China in the Economic Evaluation Code for Small Hydropower Project (SL16-95) and Gaokeng project Preliminary Design Report (PDR). <u>Corrective Action Request No.6.</u> IRR calculations should be revised including the income tax in the calculation.	CAR6	☑															

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



Industrie Service

CHECKLIST TOPIC / QUESTION	Ref.	COMMENTS	PPD in GSP	Final PDD
B.5.17. Is transparent and documented evidence provided on the existence and significance of these barriers?	1, 2, 9,15, 16,2 0, 24,2 5,34, 35,3 6,29, 38,3 9,40, 41,4 3,49, 50,5 1,53	Yes, enough evidences were provided to the validator.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B.5.18. Is it appropriately explained how the approval of the project activity will help to overcome the identified barriers?	1, 2	Yes, it is presented in the PDD that the project faces significant commercial and financial barriers without CER revenues.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B.6. Emissions reductions				
<i>B.6.1. Explanation of methodological choices</i>				
B.6.1.1. Is it explained how the procedures provided in the methodology are applied by the proposed project activity?	1, 2, 3,19, 42	The calculation of the emission reduction is applied according to the steps described in ACM0002 version 6: <ul style="list-style-type: none"> - Calculation of the Operating Margin Emission Factor - Calculation of the Build Margin Emission Factor - Calculation of the Baseline Emission Factor These steps are described in a transparent manner.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B.6.1.2. Is every selection of options offered by the methodology correctly justified and is this justification in line with the situa-	1, 2, 3,42	Yes, the selection of options offered by ACM0002 version 6 is correctly justified and it has been verified during on-site audit. <u>Corrective Action Request No.7.</u>	CAR7	<input checked="" type="checkbox"/>

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



Industrie Service

CHECKLIST TOPIC / QUESTION	Ref.	COMMENTS	PPD in GSP	Final PDD						
tion verified on-site?		The links to the published OM and BM emission factors of Chinese DNA should be update with the correct web address in the PDD.								
B.6.1.3.Determination of project emissions (Comment on any line answered “No”)										
B.6.1.3.1. Component 1: emissions from use of fossil fuel	1, 2, 3	<table><tr><td>Project emission checklist</td><td>Yes / No</td></tr><tr><td>Component discussed in the PDD?</td><td>No</td></tr><tr><td>Formulae correctly applied?</td><td>No</td></tr></table>	Project emission checklist	Yes / No	Component discussed in the PDD?	No	Formulae correctly applied?	No	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Project emission checklist	Yes / No									
Component discussed in the PDD?	No									
Formulae correctly applied?	No									
B.6.1.4.Are the formulae required for the determination of baseline emissions correctly presented, enabling a complete identification of parameters to be used and / or monitored?	1, 2, 3,17, 18,1 9,42	Yes, formulae to calculate the baseline emissions are correctly presented in chapter B.6.1. <u>Corrective Action Request No.8.</u> Please correct the data for 2004 installed capacity by “others” in Table B.4 of the PDD according to exact values from the Chinese DNA.	CAR8	<input checked="" type="checkbox"/>						
B.6.1.5.Are the formulae required for the determination of leakage emissions correctly presented, enabling a complete identification of parameter to be used and / or monitored?	1, 2, 3,42	No leakages have to be considered according to the methodology. Therefore the question is not applicable.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
B.6.1.6.Are the formulae required for the determination of emission reductions correctly presented?	1, 2, 3,42	Please, see CAR3	See CAR3	<input checked="" type="checkbox"/>						
B.6.2. Data and parameters that are available at validation										
B.6.2.1.Is the list of parameters presented in chapter B.6.2 considered to be complete with regard to the requirements of the applied methodology?	1, 2, 3,17, 18,1 9,42	Yes. A list of parameters is presented in chapter B.6.2. <u>Corrective Action Request No.9.</u> The following parameter should be included and specified in the list:	CAR9	<input checked="" type="checkbox"/>						

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



Industrie Service

CHECKLIST TOPIC / QUESTION	Ref.	COMMENTS	PPD in GSP	Final PDD																		
		<div><div>- Service Area at full Reservoir Level (even if not used)</div><div>- CO₂ emission coefficient of fuels used in connected grids</div></div>																				
B.6.2.2.Comment on any line answered with “No”																						
B.6.2.3.Parameter Title: Annual electricity supplied to the grid prior to retrofit (applicable only for retrofit and modification activities)	1, 2, 3	<table><thead><tr><th>Data Checklist</th><th>Yes / No</th></tr></thead><tbody><tr><td>Title in line with methodology?</td><td>N/A</td></tr><tr><td>Data unit correctly expressed?</td><td>N/A</td></tr><tr><td>Appropriate description of parameter?</td><td>N/A</td></tr><tr><td>Source clearly referenced?</td><td>N/A</td></tr><tr><td>Correct value provided?</td><td>N/A</td></tr><tr><td>Has this value been verified?</td><td>N/A</td></tr><tr><td>Choice of data correctly justified?</td><td>N/A</td></tr><tr><td>Measurement method correctly described?</td><td>N/A</td></tr></tbody></table>	Data Checklist	Yes / No	Title in line with methodology?	N/A	Data unit correctly expressed?	N/A	Appropriate description of parameter?	N/A	Source clearly referenced?	N/A	Correct value provided?	N/A	Has this value been verified?	N/A	Choice of data correctly justified?	N/A	Measurement method correctly described?	N/A	<div><input checked="" type="checkbox"/></div>	<div><input checked="" type="checkbox"/></div>
Data Checklist	Yes / No																					
Title in line with methodology?	N/A																					
Data unit correctly expressed?	N/A																					
Appropriate description of parameter?	N/A																					
Source clearly referenced?	N/A																					
Correct value provided?	N/A																					
Has this value been verified?	N/A																					
Choice of data correctly justified?	N/A																					
Measurement method correctly described?	N/A																					
B.6.2.3. Parameter Title: Emission factor of the grid (CM)	1, 2, 3,42, 19	<table><thead><tr><th>Data Checklist</th><th>Yes / No</th></tr></thead><tbody><tr><td>Title in line with methodology?</td><td>Yes</td></tr><tr><td>Data unit correctly expressed?</td><td>Yes</td></tr><tr><td>Appropriate description of parameter?</td><td>Yes</td></tr><tr><td>Source clearly referenced?</td><td>No</td></tr></tbody></table>	Data Checklist	Yes / No	Title in line with methodology?	Yes	Data unit correctly expressed?	Yes	Appropriate description of parameter?	Yes	Source clearly referenced?	No	<div><input checked="" type="checkbox"/></div>	<div><input checked="" type="checkbox"/></div>								
Data Checklist	Yes / No																					
Title in line with methodology?	Yes																					
Data unit correctly expressed?	Yes																					
Appropriate description of parameter?	Yes																					
Source clearly referenced?	No																					

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



Industrie Service

CHECKLIST TOPIC / QUESTION	Ref.	COMMENTS		PPD in GSP	Final PDD
		Correct value provided?	Yes		
		Has this value been verified?	Yes		
		Choice of data correctly justified?	Yes		
		Measurement method correctly described?	Yes		
		CM is calculated in section B.6.1, and the CM data published by China DNA is selected as a conservative method.			
B.6.2.4. Parameter Title: Operating margin (OM) emission factor of the grid	1, 2, 3,42, 19	Data Checklist	Yes / No		
		Title in line with methodology?	Yes		
		Data unit correctly expressed?	Yes		
		Appropriate description?	Yes		
		Source clearly referenced?	No		
		Correct value provided?	Yes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
		Has this value been verified?	Yes		
		Choice of data correctly justified?	Yes		
		Measurement method correctly described?	Yes		
		OM is calculated in section B.6.1, and the CM data published by China DNA is selected as a conservative method.			
B.6.2.5. Parameter Title: Build margin (BM) emission factor of the grid	1, 2, 3,42, 19	Data Checklist	Yes / No	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
		Title in line with methodology?	Yes		

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



Industrie Service

CHECKLIST TOPIC / QUESTION	Ref.	COMMENTS		PPD in GSP	Final PDD																		
		<table><tr><td>Data unit correctly expressed?</td><td>Yes</td></tr><tr><td>Appropriate description of parameter?</td><td>Yes</td></tr><tr><td>Source clearly referenced?</td><td>No</td></tr><tr><td>Correct value provided?</td><td>Yes</td></tr><tr><td>Has this value been verified?</td><td>Yes</td></tr><tr><td>Choice of data correctly justified?</td><td>Yes</td></tr><tr><td>Measurement method correctly described?</td><td>Yes</td></tr></table>	Data unit correctly expressed?	Yes	Appropriate description of parameter?	Yes	Source clearly referenced?	No	Correct value provided?	Yes	Has this value been verified?	Yes	Choice of data correctly justified?	Yes	Measurement method correctly described?	Yes							
Data unit correctly expressed?	Yes																						
Appropriate description of parameter?	Yes																						
Source clearly referenced?	No																						
Correct value provided?	Yes																						
Has this value been verified?	Yes																						
Choice of data correctly justified?	Yes																						
Measurement method correctly described?	Yes																						
		BM is calculated in section B.6.1, and the CM data published by China DNA is selected as a conservative method.																					
B.6.2.6. Parameter Title: fuel consumption of each power source	1, 2, 3, 17,1 9,42	<table><tr><th>Data Checklist</th><th>Yes / No</th></tr><tr><td>Title in line with methodology?</td><td>Yes</td></tr><tr><td>Data unit correctly expressed?</td><td>Yes</td></tr><tr><td>Appropriate description of parameter?</td><td>Yes</td></tr><tr><td>Source clearly referenced?</td><td>Yes</td></tr><tr><td>Correct value provided?</td><td>Yes</td></tr><tr><td>Has this value been verified?</td><td>Yes</td></tr><tr><td>Choice of data correctly justified?</td><td>Yes</td></tr><tr><td>Measurement method correctly described?</td><td>Yes</td></tr></table>	Data Checklist	Yes / No	Title in line with methodology?	Yes	Data unit correctly expressed?	Yes	Appropriate description of parameter?	Yes	Source clearly referenced?	Yes	Correct value provided?	Yes	Has this value been verified?	Yes	Choice of data correctly justified?	Yes	Measurement method correctly described?	Yes		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Data Checklist	Yes / No																						
Title in line with methodology?	Yes																						
Data unit correctly expressed?	Yes																						
Appropriate description of parameter?	Yes																						
Source clearly referenced?	Yes																						
Correct value provided?	Yes																						
Has this value been verified?	Yes																						
Choice of data correctly justified?	Yes																						
Measurement method correctly described?	Yes																						
B.6.2.7. Parameter Title: emission coefficient of each fuel	1, 2, 3, 18,1	<table><tr><th>Data Checklist</th><th>Yes / No</th></tr></table>	Data Checklist	Yes / No		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																
Data Checklist	Yes / No																						

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



Industrie Service

CHECKLIST TOPIC / QUESTION	Ref.	COMMENTS		PPD in GSP	Final PDD
	9,42	Title in line with methodology?	Yes		
		Data unit correctly expressed?	Yes		
		Appropriate description of parameter?	Yes		
		Source clearly referenced?	Yes		
		Correct value provided?	Yes		
		Has this value been verified?	Yes		
		Choice of data correctly justified?	Yes		
		Measurement method correctly described?	Yes		
B.6.2.8. Parameter Title: electricity generation of each power source	1, 2, 3, 17,1 9,42	Data Checklist	Yes / No	☑	☑
		Title in line with methodology?	Yes		
		Data unit correctly expressed?	Yes		
		Appropriate description of parameter?	Yes		
		Source clearly referenced?	Yes		
		Correct value provided?	Yes		
		Has this value been verified?	Yes		
		Choice of data correctly justified?	Yes		
		Measurement method correctly described?	Yes		
B.6.2.9. Parameter Title: surface area of full reservoir level (for new hydroelectric activities only)	1, 2, 3	Data Checklist	Yes / No	See CAR9	☑

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



Industrie Service

CHECKLIST TOPIC / QUESTION	Ref.	COMMENTS		PPD in GSP	Final PDD																		
		Title in line with methodology?	Yes																				
		Data unit correctly expressed?	Yes																				
		Appropriate description of parameter?	Yes																				
		Source clearly referenced?	No																				
		Correct value provided?	Yes																				
		Has this value been verified?	Yes																				
		Choice of data correctly justified?	Yes																				
		Measurement method correctly described?	Yes																				
		Refer to CAR9																					
B.6.2.10. Parameter Title: fraction of time with low costs /must run plant at the margin (for simple adjusted OM only)	1, 2, 3	<table><tr><th>Data Checklist</th><th>Yes / No</th></tr><tr><td>Title in line with methodology?</td><td>N/A</td></tr><tr><td>Data unit correctly expressed?</td><td>N/A</td></tr><tr><td>Appropriate description of parameter?</td><td>N/A</td></tr><tr><td>Source clearly referenced?</td><td>N/A</td></tr><tr><td>Correct value provided?</td><td>N/A</td></tr><tr><td>Has this value been verified?</td><td>N/A</td></tr><tr><td>Choice of data correctly justified?</td><td>N/A</td></tr><tr><td>Measurement method correctly described?</td><td>N/A</td></tr></table>		Data Checklist	Yes / No	Title in line with methodology?	N/A	Data unit correctly expressed?	N/A	Appropriate description of parameter?	N/A	Source clearly referenced?	N/A	Correct value provided?	N/A	Has this value been verified?	N/A	Choice of data correctly justified?	N/A	Measurement method correctly described?	N/A	☑	☑
Data Checklist	Yes / No																						
Title in line with methodology?	N/A																						
Data unit correctly expressed?	N/A																						
Appropriate description of parameter?	N/A																						
Source clearly referenced?	N/A																						
Correct value provided?	N/A																						
Has this value been verified?	N/A																						
Choice of data correctly justified?	N/A																						
Measurement method correctly described?	N/A																						

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



Industrie Service

CHECKLIST TOPIC / QUESTION	Ref.	COMMENTS		PPD in GSP	Final PDD																		
B.6.2.11. Parameter Title: electricity imports	1, 2, 3, 17,1 9,42	<table><tr><th>Data Checklist</th><th>Yes / No</th></tr><tr><td>Title in line with methodology?</td><td>Yes</td></tr><tr><td>Data unit correctly expressed?</td><td>Yes</td></tr><tr><td>Appropriate description of parameter?</td><td>Yes</td></tr><tr><td>Source clearly referenced?</td><td>Yes</td></tr><tr><td>Correct value provided?</td><td>Yes</td></tr><tr><td>Has this value been verified?</td><td>Yes</td></tr><tr><td>Choice of data correctly justified?</td><td>Yes</td></tr><tr><td>Measurement method correctly described?</td><td>Yes</td></tr></table>		Data Checklist	Yes / No	Title in line with methodology?	Yes	Data unit correctly expressed?	Yes	Appropriate description of parameter?	Yes	Source clearly referenced?	Yes	Correct value provided?	Yes	Has this value been verified?	Yes	Choice of data correctly justified?	Yes	Measurement method correctly described?	Yes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Data Checklist	Yes / No																						
Title in line with methodology?	Yes																						
Data unit correctly expressed?	Yes																						
Appropriate description of parameter?	Yes																						
Source clearly referenced?	Yes																						
Correct value provided?	Yes																						
Has this value been verified?	Yes																						
Choice of data correctly justified?	Yes																						
Measurement method correctly described?	Yes																						
B.6.2.12. Parameter Title: CO ₂ emission coefficient of fuels used in connected grids	1, 2, 3, 18,1 9,42	<table><tr><th>Data Checklist</th><th>Yes / No</th></tr><tr><td>Title in line with methodology?</td><td>Yes</td></tr><tr><td>Data unit correctly expressed?</td><td>Yes</td></tr><tr><td>Appropriate description of parameter?</td><td>Yes</td></tr><tr><td>Source clearly referenced?</td><td>No</td></tr><tr><td>Correct value provided?</td><td>Yes</td></tr><tr><td>Has this value been verified?</td><td>Yes</td></tr></table>		Data Checklist	Yes / No	Title in line with methodology?	Yes	Data unit correctly expressed?	Yes	Appropriate description of parameter?	Yes	Source clearly referenced?	No	Correct value provided?	Yes	Has this value been verified?	Yes	See- GAR9	<input checked="" type="checkbox"/>				
Data Checklist	Yes / No																						
Title in line with methodology?	Yes																						
Data unit correctly expressed?	Yes																						
Appropriate description of parameter?	Yes																						
Source clearly referenced?	No																						
Correct value provided?	Yes																						
Has this value been verified?	Yes																						

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



Industrie Service

CHECKLIST TOPIC / QUESTION	Ref.	COMMENTS		PPD in GSP	Final PDD
		Choice of data correctly justified?	Yes		
		Measurement method correctly described?	Yes		
		See CAR9			
B.6.3. Ex-ante calculation of emission reductions					
B.6.3.1.Is the projection based on the same procedures as used for future monitoring?	1, 2, 3	Yes, the procedures are same.		☑	☑
B.6.3.2.Are the GHG calculations documented in a complete and transparent manner?	1, 2, 3,19, 42	Please refer to CAR3		See CAR3	☑
B.6.3.3.If there is more than one component of the project activity, then, are emission reduction calculations provided separately for each component?	1, 2, 3	Not applicable, there is only one hydropower station for the project.		☑	☑
B.6.3.4.Is the data provided in this section consistent with data as presented in other chapters of the PDD?	1, 2, 3, 19,4 2	Yes, the data is consistent		☑	☑
B.6.4. Summary of the ex-ante estimation of emission reductions					
B.6.4.1.Will the project result in fewer GHG emissions than the baseline scenario?	1, 2, 3	Please see CAR3		See CAR3	☑
B.6.4.2.Is the form/table required for the indication of projected emission reductions correctly applied?	1, 2, 3	Yes, the form is correctly applied.		☑	☑
B.6.4.3.If the project activity involves more	1, 2,	N/A		☑	☑

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



Industrie Service

CHECKLIST TOPIC / QUESTION	Ref.	COMMENTS	PPD in GSP	Final PDD												
than one component, is separate table included for each of the component.	3															
B.6.4.4.Do these values comply with small-scale criteria for every year?	1, 2, 3	Yes, no contradictions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>												
B.6.4.5.Is the projection in line with the envisioned time schedule for the project’s implementation and the indicated crediting period?	1, 2, 3	<u>Corrective Action Request No.10.</u> There is an inconsistency in the date of year 7 in Table B.6 of the PDD; please correct.	CAR10	<input checked="" type="checkbox"/>												
B.6.4.6.Is the data provided in this section in consistency with data as presented in other chapters of the PDD?	1, 2, 3	See CAR10.	See CAR10	<input checked="" type="checkbox"/>												
B.7. Application of the monitoring methodology and description of the monitoring plan																
B.7.1. Data and parameters monitored																
B.7.1.1.Is the list of parameters presented in chapter B.7.1 considered to be complete with regard to the requirements of the applied methodology?	1, 2, 3	Yes, the power generation supplied to the grid and the electricity use of power plant supplied by the grid are presented in the chapter B.7.1.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>												
B.7.1.2.Comment on any line answered with “No”																
B.7.1.2.1. Parameter Title: Electricity generated by the renewable technology	1, 2, 3,17, 19,4 2	<table><tr><th>Monitoring Checklist</th><th>Yes / No</th></tr><tr><td>Title in line with methodology?</td><td>Yes</td></tr><tr><td>Data unit correctly expressed?</td><td>Yes</td></tr><tr><td>Appropriate description of parameter?</td><td>Yes</td></tr><tr><td>Source clearly referenced?</td><td>Yes</td></tr><tr><td>Correct value provided for estimation?</td><td>Yes</td></tr></table>	Monitoring Checklist	Yes / No	Title in line with methodology?	Yes	Data unit correctly expressed?	Yes	Appropriate description of parameter?	Yes	Source clearly referenced?	Yes	Correct value provided for estimation?	Yes	CR1	<input checked="" type="checkbox"/>
Monitoring Checklist	Yes / No															
Title in line with methodology?	Yes															
Data unit correctly expressed?	Yes															
Appropriate description of parameter?	Yes															
Source clearly referenced?	Yes															
Correct value provided for estimation?	Yes															

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



Industrie Service

CHECKLIST TOPIC / QUESTION	Ref.	COMMENTS		PPD in GSP	Final PDD
		Has this value been verified?	Yes		
		Measurement method correctly described?	Yes		
		Correct reference to standards?	Yes		
		Indication of accuracy provided?	Yes		
		QA/QC procedures described?	Yes		
		QA/QC procedures appropriate?	No		
		<u>Clarification Request No.1.</u> More detailed information on technical parameters, like manufacturer, type and accuracy of the meters should be provided to the validator.			
B.7.1.2.2. Amount of biomass input (if applicable)	1, 2, 3	Monitoring Checklist	Yes / No	☑	☑
		Title in line with methodology?	N/A		
		Data unit correctly expressed?	N/A		
		Appropriate description of parameter?	N/A		
		Source clearly referenced?	N/A		
		Correct value provided for estimation?	N/A		
		Has this value been verified?	N/A		
		Measurement method correctly described?	N/A		
		Correct reference to standards?	N/A		
		Indication of accuracy provided?	N/A		
		QA/QC procedures described?	N/A		

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



Industrie Service

CHECKLIST TOPIC / QUESTION	Ref.	COMMENTS			PPD in GSP	Final PDD																								
		QA/QC procedures appropriate?	N/A																											
B.7.1.2.3. Amount of fossil fuel (if applicable)	1, 2, 3	<table><tr><th>Monitoring Checklist</th><th>Yes / No</th></tr><tr><td>Title in line with methodology?</td><td>N/A</td></tr><tr><td>Data unit correctly expressed?</td><td>N/A</td></tr><tr><td>Appropriate description of parameter?</td><td>N/A</td></tr><tr><td>Source clearly referenced?</td><td>N/A</td></tr><tr><td>Correct value provided for estimation?</td><td>N/A</td></tr><tr><td>Has this value been verified?</td><td>N/A</td></tr><tr><td>Measurement method correctly described?</td><td>N/A</td></tr><tr><td>Correct reference to standards?</td><td>N/A</td></tr><tr><td>Indication of accuracy provided?</td><td>N/A</td></tr><tr><td>QA/QC procedures described?</td><td>N/A</td></tr><tr><td>QA/QC procedures appropriate?</td><td>N/A</td></tr></table>			Monitoring Checklist	Yes / No	Title in line with methodology?	N/A	Data unit correctly expressed?	N/A	Appropriate description of parameter?	N/A	Source clearly referenced?	N/A	Correct value provided for estimation?	N/A	Has this value been verified?	N/A	Measurement method correctly described?	N/A	Correct reference to standards?	N/A	Indication of accuracy provided?	N/A	QA/QC procedures described?	N/A	QA/QC procedures appropriate?	N/A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Monitoring Checklist	Yes / No																													
Title in line with methodology?	N/A																													
Data unit correctly expressed?	N/A																													
Appropriate description of parameter?	N/A																													
Source clearly referenced?	N/A																													
Correct value provided for estimation?	N/A																													
Has this value been verified?	N/A																													
Measurement method correctly described?	N/A																													
Correct reference to standards?	N/A																													
Indication of accuracy provided?	N/A																													
QA/QC procedures described?	N/A																													
QA/QC procedures appropriate?	N/A																													
B.7.2. Description of the monitoring plan																														
B.7.2.1.Is the operational and management structure clearly described and in compliance with the envisioned situation?	1, 2, 5, 6	A chief monitoring officer will be appointed by the project owner, who supervises and verifies metering and recording, collects data (meter's data reading, sales/ billing receipts), calculates emission reductions and prepares a monitoring report.			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																								
B.7.2.2.Are responsibilities and institutional arrangements for data collection and ar-	1, 2, 5, 6	Yes, the manager of the company will hold the overall responsibility for the monitoring process and some parts of the process will			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																								

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



Industrie Service

CHECKLIST TOPIC / QUESTION	Ref.	COMMENTS	PPD in GSP	Final PDD
chiving clearly provided?		be delegated as specified in B.7.2.1 above.		
B.7.2.3.Does the monitoring plan provide current good monitoring practice?	1, 2, 5, 6	Yes. According to the PDD, energy metering equipment will be properly configured, and the metering equipment will be checked periodically according to the relevant national electric industry standards and regulations.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B.7.2.4.If applicable: Does annex 4 provide useful information enabling a better understanding of the envisioned monitoring provisions?	1, 2, 5, 6	Yes, Annex 4 helps a better understanding of the monitoring procedures.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B.8. Date of completion of the application of the baseline study and monitoring methodology an the name of the responsible person(s)/entity(ies)				
B.8.1.1.Is there any indication of a date when the baseline was determined?	1, 2	Yes. The date of is 31/07/2008	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B.8.1.2.Has dd/mm/yyyy format been used to indicate the date.	1, 2	Yes, the format is correct.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B.8.1.3.Is this consistent with the time line of the PDD history?	1, 2	Yes, it is consistent with the timeline.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B.8.1.4.Is the information on the person(s) / entity (ies) responsible for the application of the baseline and monitoring methodology provided consistent with the actual situation?	1, 2,4,5,6	Yes, Christophe Assicot, Meskes Berkouwer, Joost van Acht and Casper van der Tak of Caspervandertak Consulting and Zhao Yonghong, Jin Yuebin of Gansu Tonghe Investment Project Consulting Co., Ltd.determined the baseline and monitoring methodology.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
B.8.1.5.Is information provided whether this person / entity is also considered a project participant?	1, 2	The above mentioned persons are not project participants.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



Industrie Service

CHECKLIST TOPIC / QUESTION	Ref.	COMMENTS	PPD in GSP	Final PDD
C. Duration of the project activity / crediting period				
C.1. Duration of the project activity				
C.1.1. Are the project's starting date and operational lifetime clearly defined and reasonable?	1, 2, 21, 30	Yes, the start date of construction of the project is 23/07/2005. According to the Initial Design, the expected operational lifetime of the project activity is 30 years. See CAR5.	See CAR5	<input checked="" type="checkbox"/>
C.2. Choice of the crediting period and related information				
C.2.1. Is the assumed crediting time clearly defined and reasonable (renewable crediting period of max 7 years with potential for 2 renewals or fixed crediting period of max. 10 years)?	1, 2	A 7 years renewable crediting period with potential for 2 renewals is chosen as the crediting period.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
C.2.2. Has dd/mm/yyyy format been used to indicate the start date of the crediting period.	1, 2	Yes, 01/10/2008 or or the date after registration is presented as the start date of the crediting period.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
D. Environmental impacts				
D.1. If required by the host Party, documentation on the analysis of the environmental impacts of the project activity:				
D.1.1. Are there any Host Party requirements for an Environmental Impact Assessment (EIA), and if yes, has an EIA been approved? If yes answer also D.1.2 to D.1.4	1, 2, 11, 12	Yes, EIA is a must in P. R. China for new hydro power projects. EIA assessment has been performed by Chengdu Science and Technology University Environment Protect Technology Institution in Dec, 2004, and it was approved by Sichuan Environmental Protection Bureau on 13/12/2004.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
D.1.2. Has the analysis of the environmental impacts of the project activity been sufficiently described?	1, 2, 11, 12	<u>Corrective Action Request No.11.</u> Section D should be revised according to EIA report; the impact on Tongjiang Hydrological Station, explosion, conclusions and recommendations should be included.	CAR11	<input checked="" type="checkbox"/>

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



Industrie Service

CHECKLIST TOPIC / QUESTION	Ref.	COMMENTS	PPD in GSP	Final PDD
D.1.3. Will the project create any adverse environmental effects?	1, 2, 11, 12	See CAR11	See CAR11	<input checked="" type="checkbox"/>
D.1.4. Were transboundary environmental impacts identified in the analysis?	1, 2, 11, 12	There is no trans-boundary impact described in EIA report or approval of EIA.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
D.2. If environmental impacts are considered significant by the project participants or the host Party, please provide conclusions and all references to support documentation of an environmental impact assessment undertaken in accordance with the procedures as required by the host Party				
D.2.1. Have the identified environmental impacts been addressed in the project design sufficiently?	1, 2, 11, 12	See CAR11	See CAR11	<input checked="" type="checkbox"/>
D.2.2. Does the project comply with environmental legislation in the host country?	1, 2, 11, 12	Yes, the project is in conformity with the environmental legislation of P. R. China and the EIA has been approved by authorized organization.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
E. Stakeholders' comments				
E.1. Brief description how comments by local stakeholders have been invited and compiled				
E.1.1. Have relevant stakeholders been consulted?	1, 2, 13, 28	Yes, a special meeting was held on March 30th, 2007. No negative comments were given from the participants. The relevant documents have been reviewed by the DOE. <u>Corrective Action Request No.12.</u> Need cover the villagers from Chunzai Country, Maoyu Country and Nuojiang Township in the stakeholders.	See CAR12	<input checked="" type="checkbox"/>
E.1.2. Have appropriate media been used to invite comments by local stakeholders?	1, 2, 13	Yes, a bulletin for the stakeholders meeting was published on the newspaper "Bazhong Daily" on 20/03/07 and on the internet website: www.cdmasia.org/CDMprojects.htm .	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



Industrie Service

CHECKLIST TOPIC / QUESTION	Ref.	COMMENTS	PPD in GSP	Final PDD
E.1.3. If a stakeholder consultation process is required by regulations/laws in the host country, has the stakeholder consultation process been carried out in accordance with such regulations/laws?	1, 2, 13	There are no regulations/laws in China for carrying out the stakeholder consultation process for this project activity.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
E.1.4. Is the undertaken stakeholder process that was carried out described in a complete and transparent manner?	1, 2, 13	Yes. Confirmed with the detailed documents and comments received by the stakeholders. The process is described in a complete and transparent manner.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
E.2.Summary of the comments received				
E.2.1. Is a summary of the received stakeholder comments provided?	1, 2, 13, 28	Yes, a summary of the comments received is included in chapter E.2 of the PDD.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
E.3.Report on how due account was taken of any comments received				
E.3.1. Has due account been taken of any stakeholder comments received?	1, 2, 13	All stakeholder comments are positive, no action has been taken.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
F. Annexes 1 – 4				
F.1.Annex 1: Contact Information				
F.1.1. Is the information provided consistent with the one given under section A.3?	1, 2, 4, 5, 6, 46	<u>Corrective Action Request No.13.</u> Mr. Chen Tianfu's mobile number of and the address of the project entity should be revised and corrected in the PDD.	CAR13	<input checked="" type="checkbox"/>
F.1.2. Is the information on all private participants and directly involved Parties presented?	1, 2, 31, 33, 46	Yes, Sichuan Yili Energy Investment Development Co., Ltd. and Cargill International SA are presented.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



Industrie Service

CHECKLIST TOPIC / QUESTION	Ref.	COMMENTS	PPD in GSP	Final PDD
F.2. Annex 2: Information regarding public funding				
F.2.1. Is the information provided on the inclusion of public funding (if any) in consistency with the actual situation presented by the project participants?	1, 2, 15	Yes. There is no public funding taking place; all costs are covered by bank loans and private equity.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
F.2.2. If necessary: Is an affirmation available that any such funding from Annex-I countries does not result in a diversion of ODA?	1, 2	N/A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
F.3. Annex 3: Baseline information				
F.3.1. If additional background information on baseline data is provided: Is this information consistent with data presented by other sections of the PDD?	1, 2, 17, 18	Yes, the input data to calculate OM and BM are included in Annex 3.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
F.3.2. Is the data provided verifiable? Has sufficient evidence been provided to the validation team?	1, 2, 17, 18	Yes, use Chinese DNA (NDRC) data to perform the calculation, except some data changes according to 2006 IPCC data and Chinese Electricity Yearbook. <u>Clarification Request No.2.</u> There is a need to clearly describe the source of the data which are different from what was published at 9/Aug/2007 by NDRC.	CR-2	<input checked="" type="checkbox"/>
F.3.3. Does the additional information substantiate / support statements given in other sections of the PDD?	1, 2, 17, 18	Yes, the additional information is given in chapter B.6.1 and B.6.2.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
F.4. Annex 4: Monitoring information				
F.4.1. If additional background information on monitoring is provided: Is this information consistent with data presented in other sec-	1, 2	Yes, the additional information provided is consistent	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



Industrie Service

CHECKLIST TOPIC / QUESTION	Ref.	COMMENTS	PPD in GSP	Final PDD
tions of the PDD?				
F.4.2. Is the information provided verifiable? Has sufficient evidence been provided to the validation team?	1, 2	The information could be verified only once the project is operational.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
F.4.3. Do the additional information and / or documented procedures substantiate / support statements given in other sections of the PDD?	1, 2	Yes, the information helps a better understanding of the monitoring procedures.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



Industrie Service

Table 2 Resolution of Corrective Action and Clarification Requests

Clarifications and corrective action requests by validation team	Ref. to table 1	Summary of project owner response	Validation team Conclusion
<u>Corrective Action Request No.1.</u> The technical parameter, such as the quantity of water intake and sand sluice, provided in the PDD are different from the actual data checked on site. Please correct this information in the PDD.	A.2.1 A.2.4	We have updated the PDD in accordance with data observed on-site.	<input checked="" type="checkbox"/> The parameters were updated according to the actual status, which is verified by the DOE.
<u>Corrective Action Request No.2.</u> More information should be provided about the relevant trainings to be planned and executed for the correct implementation of the project.	A.4.2.9 A.4.2.10	We have added a section called "training and maintenance requirements" in the PDD. A copy of documents describing training is attached to the protocol.	<input checked="" type="checkbox"/> The training section was added in the PDD, and description of the training plan was provided to the DOE.
<u>Corrective Action Request No.3.</u> The estimated amount of emission reductions should be revised according to the evidence of the on site audit that emergency diesel generators will be utilized in the power plant. Project emissions should be taken into account in the calculations. Otherwise it can be shown that the emissions are negligible (< 1% of the emission reduction) and that they can be monitored in case of an emergency (or specifying that no emission reduction would be asked during the time of emergency).	A.4.4.1 B.6.1.6 B.6.2.6 B.6.2.7	We have updated the PDD, adding information about a diesel generator in sections B.6.3 (leakage), B.7.1 (parameters to be monitored) and B.7.2 (monitoring). DOE 1 st Review: It was defined that about 0.0016% of total emission reductions will be produced by the operation of the emergency back-up diesel generator in section B7.1, while in B.6.3 and B.7.4, the result is 0.0006%, please clarify which one is correct. Please check the milestones in Table A.3., to make sure all of them are on schedule, and the 2 nd turbine was installed in last year not in this March as defined in the PDD.	<input checked="" type="checkbox"/> The CO2 emission from back-up diesel generator was discussed in the PDD, and verified by the DOE.

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



Industrie Service

		<p>Response from the project owner:</p> <p>The diesel generator will produce 3tCO₂e annually, which equals to 0.006% of the total emissions reduced by the project, and can be considered negligible. The PDD has been updated in sections B.6.3, B.7.1 and B.7.2.</p> <p>We confirmed that the schedule featured in the PDD is still relevant. The 2nd turbine was not yet installed during the site visit in September 2007. What we saw is a round metallic structure upon which concrete will be poured. Later, the turbine will be deposited inside the structure.</p>	
<p><u>Corrective Action Request No.4.</u></p> <p>The PDD neither identify and discuss any technically feasible baseline scenarios alternatives, nor exclude the options not in line with regulatory or legal requirements. Please provide more information on this issue.</p>	<p>B.4.1</p> <p>B.4.2</p>	<p>In AMS-ID methodology (version 12, page 2/10, point 9), The baseline scenario is predetermined and defined as the “<i>kWh produced by the renewable generating unit multiplied by an emission coefficient (measured in kg CO₂e/kWh) calculated in a transparent and conservative manner</i>”. Therefore, the identification and discussion of technically feasible scenarios alternatives can be omitted.</p> <p>DOE 1st Review:</p> <p>There are two alternatives in the methodology AMS I.D. 9 a) and 9 b), please clarify it.</p> <p>Please update the completed date and the latest version information of the PDD as well.</p> <p>Response from the project owner:</p> <p>In AMS-ID methodology (version 12, page 2/10, point 9) the baseline is the kWh produced by the renewable generating unit multiplied by an emission coefficient (measured in kg CO₂e/kWh) calculated in a transparent and conservative manner as:</p> <p>(a) A combined margin (CM), consisting of the combina-</p>	<p><input checked="" type="checkbox"/> The baseline scenario was discussed according to the methodology.</p>

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



Industrie Service

		<p>tion of operating margin (OM) and build margin (BM) according to the procedures prescribed in the approved methodology ACM0002. Any of the four procedures to calculate the operating margin can be chosen, but the restrictions to use the Simple OM and the Average OM calculations must be considered.</p> <p>(b) The weighted average emissions (in kg CO₂e/kWh) of the current generation mix. The data of the year in which project generation occurs must be used.</p> <p>Power consumption in the Central China Grid is growing rapidly, which requires the construction of additional generating capacity. The Sichuan Tongjiang Gaokeng Hydropower Station is therefore expected to displace predominantly new capacity that is added to the grid. Therefore, the baseline emission factor has been calculated following option (a) as the average of the operating margin and the build margin.</p> <p>In any case, the methodology does not require the identification and discussion of any scenario alternatives.</p> <p>The completed date and the version of the PDD have been updated.</p>	
<p><u>Corrective Action Request No.5.</u></p> <p>No evidence to proof that CDM has been seriously considered in the decision to proceed with the project activity has been provided to the validator. Please clarify this issue.</p>	<p>B.5.13 C.1.1</p>	<p>We have updated the PDD and attach 3 PDF files as evidences.</p> <ul style="list-style-type: none"> - Business license - Internal document mentioning CDM as key factor in the investment decision - Construction permit <p>DOE 1st Review: It was shown that the decision is made in Sep,</p>	<p><input checked="" type="checkbox"/>The board meeting minutes shows the CDM was considered in the decision at 11/Apr/2005</p>

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



Industrie Service

		<p>2005, while the equipment purchasing agreement was signed at 23/Jul/05, please take into consideration why this should be considered to be additional</p> <p>Response by the project owner: We hereby provide the validator the contract between the project entity and the CDM consultant. We also provide a Sichuan Yili Board Meeting report dated 11 April 2005, that features a brief paragraph (See point 7) mentioning the Clean Development Mechanism. Therefore, we hope this transparently demonstrates that the project developer was aware of CDM before the equipment purchase decision.</p>	
<p><u>Corrective Action Request No.6.</u> IRR calculations should be revised including the income tax in the calculation.</p>	B.5.16	<p>The calculation method has been changed, including income tax and the PDD has been updated. DOE 1st Review: Please clarify the reason that the IRR data in preliminary design report is different from your IRR calculation data. Response by the project owner: In the preliminary design report, the IRR is calculated exclusive of income tax. We have added income tax following CAR7. DOE 2st review: In PDR, the IRR is 9.39%, while in PDD it is 6.88%, please clarify why? Please clarify why the data of figure B.2 in PDD is not consistent with Table 14.2.4 in PDR.</p>	<p><input checked="" type="checkbox"/> The IRR calculation method was updated, which is verified by the DOE.</p>

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



Industrie Service

		<p>In IRR calculation sheet, according to the PDR 14.2.4.3, the income tax will be zero for the first three years. It is inconsistent.</p> <p>Response by the project owner:</p> <p>The 9.39% IRR mentioned in the PDR is the <u>equity</u> IRR based only on the capital invested by the company, not including bank loans. The Gaokeng PDR features in the same table 14.2.4 a different IRR value of “above 8%” which is the IRR for <u>total investment</u>.</p> <p>We have updated the IRR calculations in the PDD and in the attached Excel sheet to strictly apply the approach taken in the PDR (including 0 income taxes for the first three years). The result in the PDD is:</p> <p>IRR without CDM 8.59% (The PDR says “above 8%” below table 14.2.4)</p> <p>IRR with CDM: 12.33%</p> <p>Figure B.2 has been updated too.</p>	
<p><u>Corrective Action Request No.7.</u></p> <p>The links to the published OM and BM emission factors of Chinese DNA should be update with the correct web address in the PDD.</p>	B.6.1.2	<p>We have updated the PDD with the correct web address.</p> <p>DOE 1st review:</p> <p>The link was updated.</p> <p>But the emission factor is different from the data published by NDRC. Please clarify it.</p> <p>The data of OM, and BM in page 18, 20 and 21 are not consistent, please correct them.</p> <p>Response from the project owner:</p> <p>We have re-updated our calculations of emission reduc-</p>	<p><input checked="" type="checkbox"/> The Chinese DNA published OM, BM and CM were selected as the conservative method.</p>

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



Industrie Service

		<p>tions in the PDD, in accordance with the latest NDRC values.</p> <p>In section B.6.1 we explain how we calculated the OM, BM and CM values and obtained the following results: OM: 1,29093 (PDD page 18) BM: 0.66344 (PDD page 20) CM: 0.97718 (PDD page 20)</p> <p>Then, at the bottom of page 20, we explain that, because the Chinese DNA calculations yield lower results: OM: 1.2899 (PDD page 21) BM: 0.6592 (PDD page 21) CM: 0.97455 (PDD page 21)</p> <p>We decide to apply the Chinese DNA emission factor, keeping principles of conservativeness.</p>	
<p><u>Corrective Action Request No.8.</u></p> <p>Please correct the data for 2004 installed capacity by “others” in Table B.4 of the PDD according to exact values from the Chinese DNA.</p>	B.6.1.4	Table B.4. has been updated.	<input checked="" type="checkbox"/> The data was corrected according to Chinese DNA published data.
<p><u>Corrective Action Request No.9.</u></p> <p>The following parameter should be included and specified in the list:</p> <ul style="list-style-type: none"> - Service Area at full Reservoir Level (even if not used) - CO₂ emission coefficient of fuels used in connected grids 	B.6.2.1 B.6.2.3 B.6.2.4 B.6.2.5 B.6.2.9 B.6.2.12	<p>We have added the reservoir surface area and CO₂ emission coefficient of fuels as a parameter.</p> <p>We hereby provide the validator the equipment purchasing contract with detailed information regarding turbines and generators.</p> <p>We hereby provide the validator with the detailed calculations of the flooded area. The flooded area equals the surface area of the reservoir after implementation of the project minus the original surface area of the river before the project:</p>	<input checked="" type="checkbox"/> The parameters were added in section B.6.2. and verified by the DOE.

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



Industrie Service

		5712.00 mu – 5426.53 mu = 285.47 mu or 190,300m ²	
<u>Corrective Action Request No.10.</u> There is an inconsistency in the date of year 7 in Table B.6 of the PDD; please correct.	B.6.4.5 B.6.4.6	We have corrected this inconsistency in Table B.6.	<input checked="" type="checkbox"/> The date was corrected.
<u>Corrective Action Request No.11.</u> Section D should be revised according to EIA report; the impact on Tongjiang Hydrological Station, explosion, conclusions and recommendations should be included.	D.1.2 D.1.3 D.2.1	The section has been revised according to the conclusions of the EIA report.	<input checked="" type="checkbox"/> The section was updated according to the EIA conclusion.
<u>Corrective Action Request No.12.</u> Need cover the villagers from Chunzai Country, Maoyu Country and Nuojiang Township in the stakeholders.	E.1.1	The project owner has conducted an additional opinion poll at Chunzai, Maoyu and Nuojiang villages to ensure exhaustive participation of stakeholders. Section E1 & E2 of the PDD have been updated with the main findings of the opinion poll. A scan of the questionnaires and the name list of people interviewed are hereby provided to the validator.	<input checked="" type="checkbox"/> The additional questionnaires were distributed in October, 2007. The summary of the survey were added in the PDD, which is verified by the DOE
<u>Corrective Action Request No.13.</u> Mr. Chen Tianfu's mobile number of and the address of the project entity should be revised and corrected in the PDD.	F.1.1	We have updated the PDD with the correct information.	<input checked="" type="checkbox"/> The information was corrected.
<u>Clarification Request No.1.</u> More detailed information on technical parameters, like manufacturer, type and accuracy of the meters should be provided to the validator.	B.7.1.2.1	The project is still under construction and metering equipments have not been purchased until now. The metering instruments will be calibrated annually in accordance with the " <i>Technical administrative code of electric energy metering (DL/T448 - 2000)</i> ", which requires meters of Accuracy Class 1 type or more accurate. The PDD has been updated consequently. DOE 1 st review: Please explain the reason or provide the evidence to	<input checked="" type="checkbox"/> The accuracy of the meters was added in the PDD.

Validation Protocol

Project Title: Sichuan Tongjiang Gaokeng Hydropower Station Project

Date of Completion: 12/August/2008

Number of Pages: 38



Industrie Service

		<p>prove that the accuracy class of the meter will be downgraded from Class 0.2S to Class 1.</p> <p>Response from the project owner:</p> <p>The accuracy of the meters has not been downgraded, but since the material has not been purchased yet, we have updated the PDD in accordance with the minimum requirement of the People's Republic of China's "Technical administrative code of electric energy metering (L/T448-2000), to keep with principles of conservativeness.</p>	
<p><u>Clarification Request No.2.</u></p> <p>There is a need to clearly describe the source of the data which are different from what was published at 9/Aug/2007 by NDRC.</p>	F.3.2	<p>We have updated the PDD and applied the NDRC published emission factors to our calculations, keeping with principles of conservativeness,</p>	<p><input checked="" type="checkbox"/>The Chinese DNA data published at 9/Aug/2007 was applied for the emission factor as a conservative result.</p>

Table 3 Unresolved Corrective Action and Clarification Requests (in case of denials)


Clarifications and / or corrective action requests by validation team	Id. of CAR/CR	Explanation of Conclusion for Denial
-	-	-

Validation of the CDM Project:
Sichuan Tongjiang Gaokeng Hydropower Station Project




Industrie Service


Annex 2: Information Reference List

Final Report	2008-08-12	Validation of the “Sichuan Gaokeng Hydropower Station Project” Information Reference List	Page 1 of 5	 Industrie Service
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Reference No.	Document or Type of Information												
1.	Project Design Document for CDM project “Sichuan Gaokeng Hydropower Station Project”, version 02, dated August 27 th 2007												
2.	Approved baseline methodology AMS-I.D. (version 12): Indicative simplified baseline and monitoring methodologies for selected small-scale CDM project activity categories												
3.	Approved monitoring methodology AMS-I.D. (version 12): Indicative simplified baseline and monitoring methodologies for selected small-scale CDM project activity categories												
4.	Participant list of on-site interview, signed on September 6 th , 2007												
5.	<p>Interview in Tongjiang Sichuan/P.R. of China conducted on September 6, 2007 by auditing team of TÜV SÜD.</p> <p>Interviewer:</p> <table> <tr> <td>Cuiyun Zhang</td><td>TUV SUD Shanghai office, GHG Auditor</td></tr> <tr> <td>Guide Wang</td><td>TUV SUD Shanghai office, GHG Auditor Trainee</td></tr> </table> <p>Interviewed persons:</p> <table> <tr> <td>Shunsheng Kang</td><td>General Engineer of Sichuan Yili Energy Investment Development Co., Ltd</td></tr> <tr> <td>Tianfu Chen</td><td>Vice General Manager of Sichuan Yili Energy Investment Development Co., Ltd</td></tr> <tr> <td>Christophe Assicot</td><td>Consultant of Caspervandertak Consulting</td></tr> <tr> <td>Yonghong Zhao</td><td>Project Manager of Gansu Tonghe Investment Project Consulting Co., Ltd</td></tr> </table>	Cuiyun Zhang	TUV SUD Shanghai office, GHG Auditor	Guide Wang	TUV SUD Shanghai office, GHG Auditor Trainee	Shunsheng Kang	General Engineer of Sichuan Yili Energy Investment Development Co., Ltd	Tianfu Chen	Vice General Manager of Sichuan Yili Energy Investment Development Co., Ltd	Christophe Assicot	Consultant of Caspervandertak Consulting	Yonghong Zhao	Project Manager of Gansu Tonghe Investment Project Consulting Co., Ltd
Cuiyun Zhang	TUV SUD Shanghai office, GHG Auditor												
Guide Wang	TUV SUD Shanghai office, GHG Auditor Trainee												
Shunsheng Kang	General Engineer of Sichuan Yili Energy Investment Development Co., Ltd												
Tianfu Chen	Vice General Manager of Sichuan Yili Energy Investment Development Co., Ltd												
Christophe Assicot	Consultant of Caspervandertak Consulting												
Yonghong Zhao	Project Manager of Gansu Tonghe Investment Project Consulting Co., Ltd												
6.	<p>On-site interview at Tongjiang Sichuan / P.R. of China conducted on Sep, 7, 2007 by auditing team of TÜV SÜD</p> <p>Interviewer:</p> <table> <tr> <td>Cuiyun Zhang</td><td>TUV SUD Shanghai office, GHG Auditor</td></tr> <tr> <td>Guide Wang</td><td>TUV SUD Shanghai office, GHG Auditor Trainee</td></tr> </table> <p>Interviewed persons:</p>	Cuiyun Zhang	TUV SUD Shanghai office, GHG Auditor	Guide Wang	TUV SUD Shanghai office, GHG Auditor Trainee								
Cuiyun Zhang	TUV SUD Shanghai office, GHG Auditor												
Guide Wang	TUV SUD Shanghai office, GHG Auditor Trainee												

Final Report	2008-08-12	Validation of the “Sichuan Gaokeng Hydropower Station Project” Information Reference List	Page 2 of 5	 Industrie Service
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Reference No.	Document or Type of Information
	Shunsheng Kang General Engineer of Sichuan Yili Energy Investment Development Co., Ltd Tianfu Chen Vice General Manager of Sichuan Yili Energy Investment Development Co., Ltd Christophe Assicot Consultant of Caspervandertak Consulting Yonghong Zhao Project Manager of Gansu Tonghe Investment Project Consulting Co., Ltd
7.	Feasibility Study Report for Sichuan Tongjiang Gaokeng Hydropower Station published by Hydraulic and Hydroelectric Construction Survey Design Institute of Zigong City in October 2004
8.	The approval for Gaokeng hydropower station Feasibility Study Report from Bazhong Development and Reform Committee Office on 2nd, December, 2004
9.	Preliminary Design Report for Sichuan Tongjiang Gaokeng Hydropower Station published by Hydraulic and Hydroelectric Construction Survey Design Institute of Zigong City in December 2004
10.	The approval for Gaokeng hydropower station Preliminary Design Report from Bazhong Development and Reform Committee Office on 9th, March, 2005
11.	Environmental Impact Assessment report for Sichuan Tongjiang Gaokeng Hydropower Station published by Chengdu Science and Technology University Environment Protect Technology Institution in December, 2004
12.	The approval for Gaokeng hydropower station EIA report from Sichuan Environmental Protection Bureau on 13th, December, 2004
13.	Stakeholder meeting documentation for meeting performed on 30th March, 2007: Invitation (direct, website and via newspaper, meeting report, pictures, recorded voice)
14.	Notice on <Notice on the linkage of electricity which is produced by coal in Central China Grid issued by National Development and Reform Committee> on 31st, December, 2004
15.	Bank Loan Agreement with China Agriculture Bank on 26th, April, 2007

Final Report	2008-08-12	Validation of the “Sichuan Gaokeng Hydropower Station Project” Information Reference List	Page 3 of 5	 Industrie Service
--------------	------------	--	----------------	--

Reference No.	Document or Type of Information
16.	Economic Evaluation Code for Small Hydropower Project(SL 16-95) in June, 1995
17.	China Electric Power Yearbook version 2006, version 2005, version 2004 China Energy Statistical Yearbook version 2006, version 2005, version 2004, version 2003, and version 2002
18.	IPCC: 2006, Good Practice Guidance
19.	Calculation results of Emission Factor of the grid, OM and BM emission factor issued by Chinese DNA in August, 2007
20.	Calculation results and excel spreadsheet for IRR calculation
21.	Contract and technical agreement of Turbines and Generators signed on 23/Jul/2005
22.	UCFCC CDM: Response form for request for clarification on Approved Methodologies (version 01.1): Calculation of power density / AM_CLA_0049 in July 2007
23.	Thresholds and criteria for the eligibility of hydroelectric power plants with reservoirs as CDM project activities by EB23
24.	Economic evaluation method and parameters for project construction(Version 2) published by China Planning Press in 1993
25.	Bank Loaning Policy by ICBC in March, 2005
26.	Evidence of CDM Consideration: Gaokeng CDM Development Frame Agreement signed on 10/Aug/2006
27.	Evidence of CDM Consideration: The Board Meeting Minutes of Sichuan Yili Energy Investment Development Co., Ltd dated 21/May/2005
28.	Evidence of Stakeholders Consulting for Villagers from Chunzai Country, Maoyu Country and Nuojiang Township (including the questionnaires, summary, and name list)
29.	Renewable Energy Law of People’s Republic of China dated on 28/Feb/2005

Final Report	2008-08-12	Validation of the “Sichuan Gaokeng Hydropower Station Project” Information Reference List	Page 4 of 5	
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Reference No.	Document or Type of Information
30.	Evidence of construction Start-up: Start Construction Report issued by Fujian Zhou Minxiang Engineering Construction Supervision Co., Ltd on 16/Dec/2005
31.	Certified Emission Reduction Purchase Agreement signed on 19/May/2007
32.	Email communication between the CDM consultant and Board Member of the project entity in 2006
33.	Letter of Approval for Sichuan Tongjiang Gaokeng Hydropower Station Project from China DNA
34.	Economic evaluation method and parameters for project construction (Version 3) published by China Planning Press in 2006
35.	Interim provisions concerning hydropower construction project financial assessment dated 1994-06-14, document no. ShuiGuiGui[1994]0026
36.	List of State Poverty County published by China State Department on 2006-05-10
37.	Memorandum on Joint Buyout of Sichuan Yili Energy Investment & Development Co., Ltd on 2005-09-25
38.	Document for Registered Engineering Consultants in China published by the China Planning Press in 2003
39.	Explanation of Benchmark applied in Gaokeng PDR
40.	Explanation of the power tariff used in the IRR calculations for Gaokeng 15MW Hydropower station
41.	Analysis on the probability of a 10% deviation in the power supply for Gaokeng Project titled “30june08 Gaokeng water flow stat”, and the raw data titled “30june08 Gaokeng water flow stat”
42.	Calculation spreadsheet for Emission factor.
43.	The translation part Sensitivity analysis of the PDR.
44.	National policy on strictly controlling the construction of the thermal units under 100MW issued in 1997

Final Report	2008-08-12	Validation of the “Sichuan Gaokeng Hydropower Station Project” Information Reference List	Page 5 of 5	 Industrie Service
--------------	------------	--	----------------	--

Reference No.	Document or Type of Information
45.	Gaokeng Staff Training Plan
46.	Statement of the Modalities of Communicating with the Executive Board and the UNFCCC Secretariat dated 14/Dec/2007
47.	Project Design Document for CDM project “Sichuan Gaokeng Hydropower Station Project”, version 05, dated August 7 th 2008
48.	Evidence for The PIN is sent out to CER potential buyers for bidding, including the Project Idea Note of Gaokeng 15MW Hydropower Station Project dated 31/Oct/2006
49.	The Notice on Price Integration Issues between Coal and Electricity of Central Power Grid by NDRC on 22/Apr/2005
50.	The Notice of Forwarding <the Notice on Increasing the Power Price of Central China Power Grid by NDRC> by Sichuan Price Bureau on 29/Jun/2006
51.	The Notice on Increasing the Power Price of Central China Power Grid by NDRC on 29/Jun/2008
52.	Term Sheet: Option Agreement regarding the exclusive right to negotiate and enter into a emission reductions purchase agreement dated 3/Feb/2007
53.	IRR calculation excel spreadsheet, with 45% decrease in O&M cost.
54.	Letter of Approval for Sichuan Tongjiang Gaokeng Hydropower Station Project from Switzerland DNA dated 25/July/2008