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If you should require any further information then please do not hesitate to contact us. We will be pleased to help you.

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According to the UNFCCC requirements, a project must undergo a validation by a Designated Operational Entity (DOE). TÜV NORD CERT GmbH is an accredited DOE for validation and verification of projects under UNFCCC Sectoral Scopes 1 – 16 with additional competence based on project specific knowledge, training and experience.

1. GENERAL SCOPE OF WORK

Validation is the independent evaluation of the project design, in particular the project's baseline study and monitoring plan, which are included in the Project Design Document (PDD) and other relevant supporting documents, by a designated operational entity against the modalities and procedures for a clean development mechanism as defined in Article 12 of the Kyoto Protocol, relevant UNFCCC requirements and host country requirements.

The validation is based on the information made available to TÜV NORD CERT GmbH and on the contract conditions. TÜV NORD CERT GmbH cannot be held liable by any entity for making its validation opinion based on any false or misleading information supplied to it during the course of validation. TÜV NORD CERT GmbH employs a risk-based approach in the validation, focusing on the identification of significant risks for project implementation and the generation of certified emission reductions (CERs). The service of TÜV NORD CERT GmbH will not include any consulting service. Nevertheless, the client may certainly perceive TÜV NORD CERT GmbH's possible requests for clarifications and/or corrective actions to the client as indicators of possible potential for improvement in the project design. The validation will follow the procedures of TÜV NORD CERT GmbH's JI / CDM Certification Programme (JI / CDM CP) Quality manual, which is a customized version of the Validation and Verification Standard (VVS).

TÜV NORD CERT GmbH will validate the following information:

- UNFCCC/Kyoto Protocol requirements, in particular, the requirements of the CDM as set out in decision 17/CP.7 (Marrakesh Accords), the present annex and relevant decisions by CDM Executive Board;
- Host country requirements / criteria;
- geographical boundaries of the project including all national and/or sectoral policies and regulations;
- policy, measure or stated goal of the project;
- confirmation about voluntary action by the project participant;
- demonstration of additionality of the project;
- design of the project (including technology or measures, baseline and monitoring methodology justification and application and accounting for leakage);
- starting date and lifetime of the project;
- operational and management arrangements, including record-keeping system and procedures to avoid double-counting;
- baseline methodology;

- monitoring plan with record-keeping system;
- indicators/data to be monitored and reported;
- if applicable, statistically sound sampling method to be used for verification;
- environmental analysis;
- Stakeholder Consultation Procedure

2. VALIDATION PROCESS

The validation and subsequent registration process of the proposed CDM project activity shall follow the sequence of steps presented below:

2.1. Global Stakeholder Consultation

TÜV NORD CERT GmbH shall make the PDD publicly available on the UNFCCC website and invite third Parties, stakeholders and NGOs to comment on the project activity within thirty (30) days except for large scale afforestation and reforestation projects within 45 days.

After the deadline for receipt of comments, TÜV NORD CERT GmbH will take into account the comments received and make a determination as to whether the project activity should be validated. Authentic comments received during the 30 or 45 days stakeholder consultation process will also be made available publically.

2.2. Assessment using a Validation Protocol

For cost-effective and systematic validations of CDM projects, one generic protocol will be used as the documented backbone of a transparent validation process. The protocol shows, in a transparent manner, criteria and requirements, means of validation and the results from pre-validating the identified criteria.

2.3. Review of Documents

The project documentation submitted by the client and supporting background documents related to the project design and baseline study as well as monitoring plan will be reviewed. Furthermore, the validation team may use additional documentation or checklist by third parties like host-party legislation, technical reports referring to the project design or to the basic conditions and technical data. The document review shall establish to what degree the presented documents meet the established validation criteria. The findings of initial document review will be presented to the client.

2.4. On site visit and follow-up interviews

Visits of the project site / PPs offices will be carried out in line with the VVS requirements. To ensure an efficient validation process the client has to provide all necessary information and documentation during the site visit and grant access to relevant sites and persons. If TÜV NORD CERT GmbH finds that the information provided by the Client is not sufficient to perform the validation, TÜV NORD CERT GmbH may, at TÜV NORD CERT GmbH's sole discretion, request follow-up interviews with project stakeholders, project developers, consultants and/or technical staff, or financially responsible persons.

2.5. Draft-Validation reporting

The draft validation report will facilitate the joint effort between the client and TÜV NORD CERT GmbH to develop and document answer(s) and conclusions to requirements, which are considered applicable for CDM projects. The independent validation exercise and subsequent discussions given in the report shall enable the client to address any concerns TÜV NORD CERT GmbH may have raised related to the project, and how these may be clarified.

In order to remedy any mistakes, problems or any other outstanding issues that needed to be clarified for positive conclusion on the project design, Corrective Action Requests (CAR) or Clarification Requests (CL) may be raised. All CLs & CARs are reported and elaborated in terms of implication of CLs & CARs issued in the draft validation report. In the event of issuance of CARs / CLs the client will have to close CARs and respond to CLs before the validation could be completed.

The validation team will also take into account the comments received during the global stakeholder consultation process in a separate section of the pre-validation report. The consultation process with the stakeholder, as described separately above, will be simultaneously carried out from beginning of the pre-validation process.

2.6. Resolution of CARs & CLs

The CARs and CLs stated in the draft validation report will have to be resolved by the client, if these are issued. The requests can be resolved or "closed out" by the client by modifying the project design and by rectifying and updating the project design documentation. If this is not done in the final stages of the validation, it may cause the project not be recommended for UNFCCC registration, or cause the expected emission reductions not to be subsequently validated and certified.

The number of DOE Assessments on the corrective actions for closure of CARs and CLs raised should be limited to two consecutive rounds. For further resolution, the client and TÜV NORD CERT GmbH may enter into an amendment for additional man-days required.

2.7. Validation Report

The final validation report will reflect the results and any adjustments made to the project after the submission of draft validation report. This final validation report will reflect the responses to corrective action and clarification requests, discussions and revisions of project documents. Thus, the final validation report should give the final conclusions regarding the projects conformance with relevant UNFCCC requirements. The validation report may raise issues that need to be subsequently addressed during project implementation like the implications of any remaining corrective action requests not resolved during the validation.

The final validation report shall include a validation opinion which either forms the basis for UNFCCC registration of the project or which explains the reason for non-acceptance if the project is judged not to fulfil validation requirements. In addition, the opinion will be an important decision factor for the client whether to proceed or not with the project.

2.8. Technical review & Final Approval

Before the submission of the final validation report, a technical review and final approval of the whole validation procedure will be carried out.

During the technical review process, the validation opinion and the specific assessments as prepared by the validation team may have been confirmed or revised. Furthermore, reporting improvements might have been achieved.

The technical review follows an overall (esp. procedural) assessment of the complete validation carried out by a qualified auditor.

2.9. Submission to the UNFCCC CDM Executive Board

Registration is the formal acceptance by the UNFCCC CDM Executive Board (EB) of a project as a CDM project activity. Registration is the prerequisite for the verification, certification and issuance of CERs related to that project activity.

TÜV NORD CERT GmbH will submit to the EB, if it determines the proposed project activity to be valid, a request for registration in the form of a validation report including the project design document, the written approval of the host country(ies) and further project relevant documents, like Modalities of Communication, Emission reduction and financial calculation.

A proposed project activity that is not accepted may be reconsidered for validation and subsequent registration, after appropriate revisions, provided that it follows the corresponding UNFCCC procedures and meets the requirements for validation and registration, including those related to public comments.

3. SCHEDULE OF EVENTS

TÜV NORD CERT GmbH is prepared to begin the work on the validation of the CDM project within 10 working days upon receipt of all necessary project-related documents such as but not limited to the PDD, the financial calculation spreadsheet (if applicable), the emission reduction calculation and the emission factor calculation upon receipt of Client's valid acceptance of the Offer.

The Client shall submit all necessary project-related documents at least four (4) weeks before TÜV NORD CERT GmbH's (first) site visit. If the client fails to meet the aforementioned timeline or fails to submit any project related documents that it should reasonably have submitted to TÜV NORD CERT GmbH, TÜV NORD CERT GmbH may, at its sole discretion, postpone its site visit(s).

TÜV NORD CERT GmbH will use reasonable efforts to forward the DVR including the CARs and CLs to the Client within four (4) weeks of its (final) site visit.

Upon the Client's submission of its response to CARs and CLs, TÜV NORD CERT GmbH will use reasonable efforts to finalise the FVR within three (3) weeks of TÜV NORD CERT GmbH's receipt of the final documents submitted by the Client.

TÜV NORD CERT GmbH will use reasonable efforts to conduct the Technical Review and Final Approval within six (6) weeks after finalisation of the FVR.

4. TEAM COMPOSITION

An experienced team will carry out the validation of the project.

The validation team will consist of experienced (lead) auditors and experts covering technical, methodological, environmental, host country and socio-economic competence.

The final team composition will be announced after the conclusion of contract and in the course of the audit planning. The client has the right to reject any team member with sufficient justification. Related CVs of the audit team will be provided upon request vide operations.carbon@tuev-nord.de.

5. RIGHTS AND RESPONSIBILITIES OF TÜV NORD CERT GMBH

In addition to performing the service detailed in the offer TÜV NORD CERT GmbH shall:

Issue a validation report in line with scheme requirements, which will state whether, in the DOE's opinion, the project activity fulfils the requirements of the scheme.

Arrive at its opinion upon consideration of the following matters and reporting as to any aspect with which TÜV NORD CERT GmbH is not satisfied, namely whether:

- All relevant scheme requirements are met
- the monitoring system and procedures are in line with the applied methodology.
- the project is additional
- environmental analysis and Stakeholder Consultation Procedure is in line with the scheme

TÜV NORD CERT GmbH shall be entitled to Interview attorneys, engineers, analysts, accountants, or other parties deemed by TÜV NORD CERT GmbH to have the qualifications necessary to assist in the performance of the service without any extra fees/charge payable on this account by the client. TÜV NORD CERT GmbH may select and engage such persons without the clients prior approval save that, should the client advise TÜV NORD CERT GmbH that a conflict of interest exists, TÜV NORD CERT GmbH will take all necessary measures to engage alternate advisors. TÜV NORD CERT GmbH may also consult with stakeholders to assist in the performance of the service. Stakeholders shall include the public, including individuals, groups or communities affected, or likely to be affected, by the activity in question.

TÜV NORD CERT GmbH shall perform the service in an efficient, prompt, skillful and careful manner in accordance with the current industry standards, practices and accredited procedures. In performing the service, TÜV NORD CERT GmbH shall observe and obey all applicable laws, regulations, rules and standards imposed by any government or other duly constituted authority having jurisdiction in the host country.

TÜV NORD CERT GmbH by accepting the offer neither automatically guarantees a positive validation opinion nor the registration of the project by the CDM Executive Board (EB).

TÜV NORD CERT GmbH has the right to subcontract members of the TÜV NORD JI/CDM Certification Program of other entities and external individuals.

6. RESPONSIBILITIES OF THE CLIENT

The client is responsible for:

Preparing a Project Design Document in compliance with the rules set by the applied scheme. In case of changes to the scheme during execution of the service the client shall adapt the project documents to the new regulations.

Determining additionality, baseline scenario and emission reductions using approved methodologies and tools and scientifically appropriate protocols as required by the scheme.

Preparing a monitoring plan consistent with the rules of the scheme in question, to gather the necessary data and reporting data in a complete, transparent and accurate manner.

Providing TÜV NORD CERT GmbH with:

- a Letter of Approval of its designated national authority and further documents as requested by the scheme.
- the necessary and requested access to client books, records, information systems and facilities such that TÜV NORD CERT GmbH is able to validate the data and assumptions presented in the project documents.
- all information, documentation, data or other material or taking all measures required by the scheme unless TÜV NORD CERT GmbH is expressly responsible for providing such measures under this agreement. In case of deadlines set by the scheme concerning material to be provided or measures to be taken by the client, the client shall provide TÜV NORD CERT GmbH with material 3 working days before expiry of the deadline.

Complying with TÜV NORD CERT GmbH's requests to conduct interviews, meetings and/or discussions with client's employees and agents on any matters relating to the service, within such deadlines as TÜV NORD CERT GmbH shall establish.

All obligations of the client shall be performed according to the scheme in force when performing the obligations. In case of changes to the scheme affecting performances already rendered the client shall amend or render anew its performances accordingly.