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|--|--|---|--|
|   |  | <b>CDM Project Activity Registration<br/>and Validation Report Form</b><br><i>(By submitting this form, designated operational entity confirms<br/>that the proposed CDM project activity meets all validation and<br/>registration requirements and thereby requests its registration)</i> |  |
| <b>Section 1: Request for registration</b>   |  |   |  |
| <b>Name of the designated operational entity (DOE) submitting this form</b>  |  | Det Norske Veritas Certification Ltd. (DNV)   |  |
| <b>Title of the proposed CDM project activity (Section A.2 of the attached CDM-PDD) submitted for registration</b>   |  | Bundled wind power project in Jaisalmer (Rajasthan in India) managed by Enercon (India) Ltd.  |  |
| <b>Project participants (Name(s))</b>  |  | Enercon India Limited (EIL), IFC – Netherlands Carbon Facility (INCaF)  |  |
| <b>Sector in which project activity falls</b>  |  | Sectoral Scope : 01, Energy Industries (renewable – non-renewable sources)  |  |
| <b>Is the proposed project activity a small-scale activity?</b>  |  | Yes / <u>No</u> (underline as applicable)   |  |
| <b>Section 2: Validation report</b>  |  |   |  |
| <b>List of documents to be attached to this validation report (please check mark):</b>   |  |   |  |
| <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> The CDM-PDD of the project activity</li> <li><input checked="" type="checkbox"/> An explanation by the submitting designated operational entity of how it has taken due account of comments on validation requirements received, in accordance with the CDM modalities and procedures, from Parties, stakeholders and UNFCCC accredited non-governmental organizations; (<b>Note: Included in Validation Report (DNV Report 2005-9023-2, rev.02)</b>);</li> <li><input checked="" type="checkbox"/> The written approval of voluntary participation from the designated national authority of each Party involved, including confirmation by the host Party that the project activity assists it in achieving sustainable development: <ul style="list-style-type: none"> <li>o (Attach a list of all Parties involved and attach the approval (in alphabetical order))</li> </ul> </li> <li><input checked="" type="checkbox"/> Other documents, including any validation protocol used in the validation <ul style="list-style-type: none"> <li>o Validation Report (<b>DNV Report 2005-9023-2, rev. 02</b>), including a validation protocol and a list of persons interviewed by the validation team during the validation process</li> </ul> </li> <li><input checked="" type="checkbox"/> Information on when and how the above validation report is made publicly available.</li> <li><input checked="" type="checkbox"/> Banking information on the payment of the non-reimbursable registration fee</li> <li><input checked="" type="checkbox"/> A statement signed by all project participants stipulating the modalities of communicating with the Executive Board and the secretariat in particular with regard to instructions regarding allocations of CERs at issuance.</li> </ul> |  |   |  |

**Executive Summary and Introduction, including**

- **Description of the proposed CDM project activity**
- **Scope of validation process (include all documentation that has been reviewed and name persons that have been interviewed as part of the validation, as applicable)**
- **DOE Validation team (list of all persons involved in the validation, describing functions assumed in the validation)**

The project activity involves the installation, operation, maintenance and aggregation of nine grid connected wind power projects, to be owned by:

|                                    |          |
|------------------------------------|----------|
| - Enercon Windfarm (Jaisalmer) Ltd | -24.0MW  |
| - Godawat Panmasala Group          | -7.2MW   |
| - Shriram Transport Co             | - 4.2MW  |
| - LNJ Group                        | - 4.2MW  |
| - RK Marbles Group                 | - 6.0MW  |
| - Desai Brothers Ltd               | - 3.0MW  |
| - Texmo Group                      | - 3.0MW  |
| - Venlon Polyester Film Ltd        | - 3.0MW  |
| - Dinesh Pouches Ltd               | - 3.6MW. |

While each project has varying capacities, the aggregated installed capacity, to be managed by Enercon (India) Ltd., works out to 58.2 MW and located within the same wind zone park in Jaisalmer District, in the state of Rajasthan, India. By displacing the electricity from fossil fuel based electricity generating systems, the project activity leads to reduced greenhouse gas emissions.

All the sub-projects have commenced operations by 2004 and the power generated is being supplied to Rajasthan Rajya Vidyut Prasaran Nigam Ltd. (RRVPL) under a Power Purchase Agreement (PPA) for 20 years.

The total estimated GHG reduction from the project activity of EIL is expected to be 98 225 t of CO<sub>2</sub>e per year

The validation scope is defined as an independent and objective review of the project design document (PDD). The PDD is reviewed against the criteria stated in Article 12 of the Kyoto Protocol, the CDM modalities and procedures as agreed in the Marrakech Accords, the methodologies for CDM project activities and the relevant decisions by the CDM Executive Board, including the approved baseline and monitoring methodology ACM0002. The validation team has, based on the recommendations in the Validation and Verification Manual, employed a risk-based approach, focusing on the identification of significant risks for project implementation and the generation of CERs.

The following documentation has been reviewed:

- ☒ Enercon (India) Ltd., *Bundled wind power project in Jaisalmer (Rajasthan in India) managed by Enercon (India) Ltd.*, CDM PDD, Final Version of December 2005 and previous versions.
- ☒ DNA of India, *Letter of Approval*, March 31, 2005.
- ☒ DNA of Netherlands, *Letter of Approval*, July 07, 2005.
- ☒ International Emission Trading Association (IETA) & the World Bank's Prototype Carbon Fund (PCF): *Validation and Verification Manual*. <http://www.vvmanual.info>.
- ☒ CDM-EB, ACM0002 – Consolidated baseline and monitoring methodology for grid-connected electricity generation from renewable sources, *Version 04*.

- ☒ IPCC, Good Practice Guidance and Uncertainty Management in National greenhouse Gas Inventories, 2000.

The following person was interviewed

- ☒ Mr. A. Raghavan – Enercon (India) Ltd.

The DOE validation team consisted of the following persons:

|                                |             |   |
|--------------------------------|-------------|---|
| Mr. Kumaraswamy Chandrashekara | DNV , India | Team Leader                             |
| Mr. Ramesh Ramachandran        | DNV, India  | GHG auditor                             |
| Mr. Einar Telnes               | DNV, Norway | Energy sector expert, Internal Verifier |

*For further details, please refer to the "Introduction" and "References" Section of DNV's Validation Report (DNV Report 2005-9023-2, rev. 02).*

#### **Description of methodology for carrying out validation**

- **Review of CDM-PDD and additional documentation attached to it**
- **Assessment against CDM requirements (e.g. by use of a validation protocol)**
- **Report of findings by the DOE, e.g. by use of type of findings (e.g. corrective action requests, clarifications or observations). Please explain the way findings are "labelled" during validation.**
- **Include statements or assessments in the section "Conclusions, final comments and validation opinion" below.**

The validation of the project consisted of the following three phases:

- I a desk review of the project design document
- II follow-up interviews with project stakeholders
- III the resolution of outstanding issues and the issuance of the final validation report and opinion

The PDD, in its previous version and final version of December 2005, submitted by Enercon (India) Ltd. and additional background documents related to the project design and baseline were reviewed.

On 28 June 2005 and 29 June 2005, DNV performed interviews with project stakeholders to confirm selected information and to resolve issues identified in the document review. Representative of Enercon (India) Ltd. was interviewed.

In order to ensure transparency, a validation protocol has been customized for the project, according to the Validation and Verification Manual. The protocol shows, in a transparent manner, criteria (requirements), means of verification and the results from validation of the identified criteria.

Findings established during the validation can either be seen as a non- fulfilment of validation criteria or where a risk to the fulfilment of project objectives is identified. Such findings are termed Corrective Action Requests (CAR). The term Clarification may be used where additional information is needed to fully clarify an issue.

The Corrective Action Request and request for Clarification raised by DNV were resolved through

communications with the project participants. To guarantee the transparency of the validation process, the concerns raised by DNV and the response provided by the project participants are documented in Table 3 of the Validation Protocol in Appendix A to the Validation Report (DNV Report 2005-9023-2, rev. 02).

For further details, please refer to the "Methodology" Section of DNV's Validation Report (DNV Report 2005-9023-2, rev. 02) and the IETA/PCF Validation and Verification Manual ([www.vvmanual.info](http://www.vvmanual.info)).

**Explanation by the submitting designated operational entity of how it has taken due account of comments on validation requirements received, in accordance with the CDM modalities and procedures, from Parties, stakeholders and UNFCCC accredited non-governmental organizations;**

- Description of how and when the PDD was made publicly available
- Description of how comments were received and made publicly available
- Explanation of how due account has been taken of comments received
- Compilation of all comments received (Identify the submitter)

The PDD Version 1 was made publicly available on DNV's climate change website:

<http://www.dnv.com/certification/climatechange/Projects/ProjectDetails.asp?ProjectId=180>

and Parties, stakeholders and NGOs were through the CDM website invited to provide comments during a 30 days period from 28 May 2005 to 26 June 2005

One comment was received on 26 June 2005. Please refer to the "Comments by Parties, Stakeholders and NGOs" Section of DNV's Validation Report (DNV Report 2005-9023-2, rev.02) and the above mentioned CDM website.

#### **Conclusions, final comments and validation opinion**

- **Provide conclusions on each requirement under paragraph 37 of the CDM modalities and procedures, describing how these requirements have been met. This shall include assessments and findings (e.g. corrective action requests, clarifications or observations) in relation to each requirement, including a confirmation that all issues raised have been addressed to the satisfaction of the DOE.**
- **Final comments and validation opinion**

*Det Norske Veritas Certification Ltd (DNV Certification) has validated the "Bundled wind power project in Jaisalmer (Rajasthan in India) managed by Enercon (India) Ltd.". The validation is performed on the basis of UNFCCC criteria, as well as criteria given to provide for consistent project operations, monitoring and reporting. UNFCCC criteria refer to the Kyoto Protocol criteria for the CDM, the CDM rules and modalities as agreed in the Marrakech Accords and relevant decisions by the CDM Executive Board.*

*The review of the project design documentation (PDD) and the subsequent follow-up interviews have provided DNV with sufficient evidence to determine the fulfilment of stated criteria.*

*The project participants are Enercon India Limited of India and IFC-Netherlands Carbon Facility of the Netherlands. Both participating Parties, i.e. India as the host Party and Netherlands as the Annex I Party, meet the relevant participation requirements for the CDM and have approved its voluntary participation in the project. DNV has also received confirmation by the DNA of India that the project activity assists it in achieving sustainable development.*

*The project activity involves the development and operation of wind based power generation facilities located in the wind zone of Jaisalmer, to be connected to the state grid, with an aggregated installed capacity of 58.2 MW. By displacing fossil fuel based grid electricity, the project*

is expected to result in 98 225 t of CO<sub>2</sub> emission reductions that are real, measurable and give long-term benefits to the mitigation of climate change. An analysis of relevant barriers demonstrates that the proposed project is not a likely baseline scenario and emission reductions are hence additional to any that would occur in its absence.

The project applies the approved baseline and monitoring methodology, ACM0002 - Consolidated baseline methodology for grid-connected electricity generation from renewable sources. The baseline methodology is applicable and justified for the proposed project as the project involves electricity capacity additions through wind sources. It is justified that the proposed project activity itself is not a likely baseline scenario.

In summary, it is DNV's opinion that the project as described in the PDD of December 2005 meets all relevant UNFCCC requirements for the CDM and correctly applies the approved baseline and monitoring methodology ACM0002. Hence, DNV requests the registration of the "Bundled wind power project in Jaisalmer (Rajasthan in India) managed by Enercon (India) Ltd" as a CDM project activity.

For further details, please refer to DNV's Validation Report (DNV Report 2005-9023-2, rev. 02).

The DOE declares herewith that in undertaking the validation of this proposed CDM project activity it has no financial interest related to the proposed CDM project activity and that undertaking such a validation does not constitute a conflict of interest which is incompatible with the role of a DOE under the CDM.

By submitting this validation report, the DOE confirms that all validation requirements are met.

Susanne Haefeli

Name of authorized officer signing for the DOE

Date and signature for the DOE

22 March 2006



**Section below to be filled by UNFCCC secretariat**

Date when the form is received at UNFCCC secretariat

Date at which the registration fee has been received

Date at which registration shall be deemed final

Date of request for review, if applicable

Date and number of registration

Date

Number