



**CDM Project Activity Registration  
and Validation Report Form**  
*(By submitting this form, designated operational entity confirms  
that the proposed CDM project activity meets all validation and  
registration requirements and thereby requests its registration)*

**Section 1: Request for registration**

<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>	125 MW Wind Power Project in Karnataka, India,
<b>Project participants (Name(s))</b>	MSPL Limited
<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)

**Section 2: Validation report**

<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 2005-9083, 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 2005-9083, 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 three grid connected wind power projects, to be owned by:

- MSPL Limited - 78.9 MW
- RMMP Limited - 38.75 MW
- PVS & Brothers - 7.5 MW

While each project has varying capacities, the aggregate installed capacity, to be managed by MSPL Limited, works out to 125.15 MW. The wind farms are located in Sogi, Jogimatti and Jajikalgudda wind zone areas in Bellary, Chitradurga and Davangere districts respectively in the state of Karnataka, India. By displacing the electricity from fossil fuel based electricity generating systems, the project activity leads to reduced greenhouse gas emissions.

The power generated is being supplied to Karnataka Power Transmission Corporation Ltd. (KPTCL) under a Power Purchase Agreement (PPA) for 10 years.

The total estimated GHG reduction from the project activity of MSPL is expected to be 2 532 408 t of CO<sub>2</sub>e over the crediting period of 10 years.

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:

- ☒ MSPL: *125 MW Wind Power Project in Karnataka, India*, CDM PDD, Version 02 of July , 2005 and Version 03 of March 2006.
- ☒ DNA of India, *Letter of Approval*, 28 October 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 persons were interviewed:

- ☒ Mr. Manoj Agrawal – MSPL Limited.
- ☒ Mr. Subramanyam – MSPL Limited.

The DOE validation team consisted of the following persons:

Mr. Kumaraswamy Chandrashekara	DNV , India	Team Leader
Mr. Einar Telnes	DNV, Norway	Sector Expert
Ms. Susanne Haefeli	DNV, Norway	Internal Verifier

*For further details, please refer to the "Introduction" and "References" Section of DNV's Validation Report (DNV Report 2005-9083, 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 of July 2005 and March 2006 submitted by MSPL Limited and additional background documents related to the project design and baseline were reviewed.

On 20 October 2005 and 09 November 2005, DNV performed interviews with project stakeholders to confirm selected information and to resolve issues identified in the document review. Representatives of MSPL Limited were 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 2005-9083, rev. 02).

For further details, please refer to the "Methodology" Section of DNV's Validation Report (DNV Report 2005-9083, 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 of July , 2005) was made publicly available on DNV's climate change website:

<http://www.dnv.com/certification/climatechange/Projects/ProjectDetails.asp?ProjectId=242>

and Parties, stakeholders and NGOs were through the CDM website invited to provide comments during a 30 days period from 31 August 2005 to 29 September 2005

Two comments were received. Please refer to the "Comments by Parties, Stakeholders and NGOs" Section of DNV's Validation Report (DNV Report 2005-9083, 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 (DNV Certification) has validated the "125 MW Wind Power Project in Karnataka, India.". The validation was 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 proposed project is being proposed as a unilateral project by MSPL Limited of Karnataka, India. India has provided approval of voluntary participation and meets all requirements to participate in the CDM.*

*The project will contribute to India's sustainable development by providing benefits such as employment generation during construction and operation of the project, ensuring environmental wellbeing and aid in bridging the gap between demand and supply of power.*

*The project activity involves the installation and operation of wind turbines to be connected to the state grid, having an aggregate installed capacity of 125.15 MW. The wind parks are located in Sogi, Jogimatti and Jajikalgudda wind zone areas in Bellary, Chitradurga and Davangere districts respectively in the state of Karnataka, India. Thus, by displacing fossil fuel-based grid power, the project is forecast to result in 253 240 tCO<sub>2</sub> of annual emission reductions, which 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 correctly 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.*

*In summary, it is DNV's opinion that the project as described in the PDD of March 2006 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 "125 MW Wind Power Project in Karnataka, India" as a CDM project activity.*

*For further details, please refer to DNV's Validation Report (DNV Report 2005-9083, 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

15 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