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DET NORSKE VERITAS  
CERTIFICATION AS

Att: CDM Executive Board

Your ref.:  
CDM Ref 0194

Our ref.:  
MLEH/ACAP

Date:  
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**Response to request for review  
“Jepirachi Wind Power Project”**

Dear Members of the CDM Executive Board,

We refer to the requests for review raised by three Board members concerning DNV’s request for issuance of CERs for the project activity entitled “Jepirachi Wind Power Project” (0194) for the monitoring period 31 January 2004 to 31 July 2006, and we would like to provide the following response:

**Comment 1: The monitoring report stated that three main and three backup meters were not installed until December 2005. Further clarification is required on how the DOE verified electricity supplied to the grid from January 2004 to December 2005 when the meters were not installed.**

Response: Certified meters and their back-up have been installed since the beginning of the commissioning period of the generating units. Initially meters of the type Jem Star manufactured by Rochester with serial numbers 030902100; 030902101; 030902102; 030902103; 030902104; 030902105 were installed in the different points of measurement between generation and distribution points.

These meters were calibrated on 09-10 September 2003 and 26-27 April 2005 by EPPP de Medellín, which is a national, approved laboratory. DNV has reviewed the calibration certificates issued after each of the two calibrations, and is able to verify that the equipment accuracy was confirmed to be adequate.

During operation some remote response problems were identified related to low speed of telecommunications, and it was detected that the problems were caused by the meters themselves. During this time local meters were working correctly and daily readings were done as usual, *i.e.* the only problem was the speed of communication for remote readings.

In November 2005 a formal complaint to the supplier was done and in December 2005 new ION meters (the ones currently installed and mentioned in the monitoring report) were installed. DNV has verified the communications related to the complaint and also the existence of daily generation reports during this period ensuring that a) there were no problems with respect to the meters’ accuracy and b) daily generation records were done using back-up meters which were also certified and found to be according to specifications and standards.

**Comment 2: The monitoring report stated that the commission and commercial operation dates of the wind turbines are 30/01/2004 - 31/07/2004 and 19/07/2004 respectively. However the verification report stated the commission and commercial operation dates of the wind turbines are 10/10/2003 - 10/04/2004 and 18/01/2004 - 16/04/2004 respectively. Further clarification is required.**

This discrepancy has arisen because only a partial description of the construction and commissioning periods of the project was given in the monitoring and verification reports.

While one time frame states the overall project commissioning, the other one refers in specific to the generation units. The following are the dates described in each of the documents:

*Monitoring report:*

The different units of the project were commissioned between 30 of January and 30 of March 2004 and were declared as being in commercial operation on 19 of July 2004. The project has been completed as planned and described in the PDD.

*Verification and certification report:*

- The construction phase started in January 2003.
- Commissioning phase was between 10 October 2003 and 10 April 2004.
- Start of stable generation of aero generators initiated between 18 January 2004 and 16 April 2004.

To clarify, the overall time frame is described below:

- Construction phase: Started January 2003.
- Commissioning of the overall project: Started on 10 October 2003, finished on 10 April 2004
- Commissioning of the generation units: Started 15 December 2003 (first unit) and finalized 30 March 2004 (last of 15 units).
- Start of stable production between 18 January 2004 and 16 April 2004
- Official start date of commercial operations: 19 July 2004.

DNV has reviewed operation records that demonstrate dates of each of these phases and thereby verified the sequence of events.

We sincerely hope that the Board accepts our above explanations.

Yours faithfully,  
for Det Norske Veritas Certification AS

*Michael Lehmann*

Michael Lehmann  
*Technical Director*



Alfonso Capuchino  
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