



Voluntary Carbon Standard 2007.1

VERIFICATION REPORT

5.0 MW small scale wind based power generation for captive use by Balkrishna Industries Limited (BIL) in Rajasthan, India

**VERIFICATION PERIOD:
28th March 2006 to 31st July 2009**

Project No/ Rev. No.: V-3-I-01-S-0027-Ve/01

Verification Report

Name of Verification company:	Date of issue:
Perry Johnson Registrars CDM Inc.	2010-03-24
Report Title:	Approved by:
Verification report – “5.0 MW small scale wind based power generation for captive use by Balkrishna Industries Limited (BIL) in Rajasthan, India”.	S.V Jamble
Client:	Project Title:
Balkrishna Industries Limited (BIL)	Monitoring report of “5.0 MW small scale wind based power generation for captive use by Balkrishna Industries Limited (BIL) in Rajasthan, India ” Version : 01 Date : 2009-12-08
Summary:	
<p>Balkrishna Industries Limited (BIL) has commissioned Perry Johnson Registrars Clean Development Mechanism Inc. PJRCDM) for verification of the project – “5.0 MW small scale wind based power generation for captive use by Balkrishna Industries Limited (BIL) in Rajasthan, India” under Voluntary Carbon Standard (VCS). The verification involves independent review of the implementation of project as per VCS project document (PD) and its monitoring plan.</p> <p>The project activity consists of four numbers, Suzlon make WTG of installed capacity 1.25MW each (4x1.25 MW = 5 MW) in the Jaisalmer district of Rajasthan state in India. Based on the assessment of the GHG emission reductions reported in the monitoring report version 04 dated 3rd March 2010, PJRCDM had requested responses from the project proponent through the means of Clarification Requests (CLs), Corrective Action Requests (CARs) and Forward Action Requests (FARs) issued in the draft verification report.</p> <p>In our opinion, the GHG emission reductions reported in the monitoring report version 04, dated 03rd March 2010 are fairly stated. Based on the assessment, PJRCDM is able to certify that the implementation of the project has resulted in GHG emission reduction of 24,911 tCO₂ equivalent during the period 28th March 2006 to 31st July 2009.</p> <p>PJRCDM’s opinion regarding the reported emission reductions for the given monitoring period, is based on the information sought and also reviews of publicly available information where applicable. ISO-14064 guidelines have been applied in principle to assess the key issues like accuracy, completeness and conservativeness of the information. PJRCDM’s verification/certification of GHG emissions is limited to this information evaluation.</p> <p>Issuance and utilization of certified GHG-emission reductions is beyond the scope of PJRCDM.</p>	
Report Number/ Revision Number	Number of pages
V-3-I-01-S-0027-Ve/01	18
Work carried out by:	Work Reviewed by:
Mathsy Kutty	Anjana Sharma



Abbreviations

CAR	Corrective Action Request
CDM	Clean Development Mechanism
CL	Clarification Request
GHG	Greenhouse gas
IPCC	Intergovernmental Panel on Climate Change
KWh	Kilo Watt hour
PD	Project Document
PJRCDM	Perry Johnson Registrars Clean Development Mechanism Inc.
PP	Project Proponent
TPH	Tonnes Per Hour
UNFCCC	United Nations Framework Convention on Climate Change
VCS	Voluntary Carbon Standard

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1 INTRODUCTION

Balkrishna Industries Limited (BIL), hereinafter referred to as the “client” or “project proponent”, contracted Perry Johnson Registrars Clean Development Mechanism Inc. (PJRCDM) to perform the validation and verification of the project activity “5.0 MW small scale wind based power generation for captive use by Balkrishna Industries Limited (BIL) in Rajasthan, India” under the Voluntary Carbon Standard (VCS) 2007.1 for the period 28th March 2006 to 31st July 2009. The report describes the verification work undertaken. The validation of the project activity against the VCS 2007.1 requirements was completed on 2009/10/20.

1.1 Objective

Verification under VCS is the independent ex-post quantification and certification of the greenhouse gas (GHG) emission reductions achieved by a project activity which has completed validation under VCS 2007.1 or registered under a VCS approved GHG program.

The above work is carried out through an independent assessment and a written assurance is provided on the GHG emission reductions achieved for the period specified.

1.2 Scope and Criteria

The scope of the verification covers independent objective review and ex-post determination of the monitored GHG emission reductions by the project activity “5.0 MW small scale wind based power generation for captive use by Balkrishna Industries Limited (BIL) in Rajasthan, India”.

The specific scope of the verification work involves:

- To verify that the project activity is implemented as per the project details of the registered project design document (PDD) or the VCS PD
- To assess whether the emissions reductions determined are in conformance with the monitoring plan of the VCS PD and the approved methodology.
- To express a conclusion whether reported data are accurate, complete, consistent, and transparent with a reasonable level of assurance and free of omission or material error, based on the review of the reported data and emission reduction calculations.

The project is assessed against the verification requirements of VCS 2007.1 standard including the criteria that the emission reductions are real, measurable, transparent and conservative. The approach adopted by PJRCDM verification team is risk-based, drawing on an understanding of the risks associated with reporting of GHG emissions data and the controls in place to mitigate these.

The work carried out by PJRCDM is free from any conflict of interest.

Request for issuance of Voluntary Carbon Units (VCUs), verified and certified by PJRCDM, shall be made by the project proponent to the VCS registry in accordance with the most recent version of the “VCS Guidance Document: VCS Project Registration and VCU Issuance process”. In view of the above, PJRCDM’s responsibility is limited only to verification and certification of the GHG emission reductions achieved during the specified period.

1.3 VCS project Description

The project activity is generation of electricity by wind turbine generators and exporting the generated electricity to the North East West North Eastern (NEWNE) regional grid of India. The project activity comprises of four (4) WTGs owned by M/s Balkrishna Industries Ltd. Pvt Ltd installed in the Mada village, Jaisalmer district of Rajasthan, India.

The WTGs are S66 (1250 kW) models by M/s Suzlon Energy Ltd.

- Project owner : Balakrishna Industries Limited
- Location : Mada village, Jaisalmer district of Rajasthan, India.
- Title of the PDD : *5.0 MW small scale wind based power generation for captive use by Balkrishna Industries Limited (BIL) in Rajasthan, India*
- Methodology used : AMS I D, version 13
- VCS Crediting period : 28th March 2006 to 27th March 2016
- Monitoring period under VCS : 28th March 2006 to 31st July 2009

Table 1: Project Details

<i>Sr.No.</i>	<i>WTG</i>	<i>Location number</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Site details</i>
1	J-270	Khasara No. 186/P1;	26° 39' 57.1" N	70° 51' 45.2" E	Mada village, Jaisalmer district, Rajasthan, India
2	J-275	Khasara No.187/P2,	26° 39' 48.1" N	70° 51' 21.9" E	
3	J-276	Khasara No. 187/P1, 188/P1;	26° 39' 37.9" N	70° 51' 21.3" E	
4	J-280	Khasara No. 202/P1;	26° 39' 38.6" N	70° 50' 59.42" E	

1.4 Level of assurance

In line with VCS 2007.1 requirements and as per ISO 14064-3:2006 paragraph A.2.3.2, a **“reasonable level of assurance”** is defined for the verification of the project.

This implies that, based on the process and procedures conducted, PJRCDM confirms that the GHG assertion in the monitoring report

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- is materially correct and is a fair representation of the GHG data and information, and
- is prepared in accordance with VCS requirements, the registered CDM PDD and the approved methodology for information pertaining to GHG quantification, monitoring and reporting.

The verification work is carried out as per this requirement and details are presented in the Verification statement in section 2 below.

2 METHODOLOGY

2.1 General Approach

The project activity applies approved baseline and monitoring methodology AMS-I.D (version 13) categorised under sectoral scope 01 'Energy industries (renewable - / non-renewable sources)'. For verification of emission reductions, PJRCDM's approach involves broadly three steps:

- 1) Completeness check and desktop review of the monitoring report
- 2) Onsite inspection and issuance of findings from the audit
- 3) Resolution of the findings and preparation of the verification report

The following team members from PJRCDM were involved in these steps :

Name	Role	Areas covered
Mathsy Kutty	Verifier	Completeness check of monitoring report, desktop review, site visit, issuance and closure of findings, report preparation
Anjana Sharma	Technical Reviewer	Independent review of the verification assignment.

2.2 Means of Verification

2.2.1 Review of Project Documentation

On receipt of the monitoring report from the client, the completeness of information made available as per VCS2007.1 standard requirements was reviewed. A desktop review was further carried out to assess the following:

- the validated VCS PD with the monitoring plan
- the emission reduction calculation method used in the applied methodology and the VCS PD
- the monitoring report, including frequency of monitoring and the calculation of emission reductions for the period
- the documented operation and maintenance manual furnished by the project participant (where applicable)

- other external documents like grid emission factor, IPCC emission factor, etc. applied

A complete list of all documents reviewed is attached in Appendix I of this report.

2.2.2 Onsite Inspections

An onsite visit was carried out by PJRCDM in the month of July 2009. The actual operation of the project as described in the PD, the JMR sheets and invoices raised by the PP were reviewed and discussed during the site visit and issues identified in the desktop review of submitted documents were discussed.

List of personnel interviewed and issues discussed during the site visit is as provided below:

Table 2: Personnel Interviewed

Name / Designation / Company	Interviewed on
Gauruv Jain Customer Relation Manager, Suzlon Energy Limited	<ul style="list-style-type: none"> ▪ Determination of net electricity generation ▪ Joint meter reading exercises ▪ Monitoring system ▪ Invoices for electricity export ▪ Calibration practice

During the site visit, PJRCDM verified the actual operation of the project as described in the PD. The system of controller energy meters and joint energy meters used for monitoring the sale of electricity sale to grid were examined. The monthly records for joint meter readings were reviewed.

2.2.3 Review of Monitoring Results and Correct Application of Monitoring Methodology

Based on the site inspection and review of records including the monitoring plan, a list of non conformities; Corrective Action Requests (CAR) were raised. The non conformities could be related to lack of adherence to the VCS 2007.1 requirement, non-conformance to the monitoring plan of as defined in the VCS registered PD or where evidence provided is found insufficient to prove conformity. They could also be mistakes in applying data/ assumptions and in calculation of emission reductions.

If information made available is insufficient to transparently arrive at the stated conclusion, a Clarification request (CL) is raised and communicated to the project proponent.

Observations may also be raised which are for the benefit of future verification period. These, however, have no impact upon the completion of the current verification activity.

On receipt of response from the project developer, the adequacy with compliance with VCS requirements is checked along with a revised monitoring report. Closure of comments raised occurs only if the response provided and correction made fully complies with the stated requirements of the methodology applied.

The list of CARs/ CLs raised and the response provided and reasons for closure are provided Appendix-1.

2.2.4 Determinations of the reductions in GHG Emissions

As per the applicable methodology the emission reductions achievable by the project activity are calculated as a difference of baseline emissions (BE_y) project emissions (PE_y) and emissions due to leakage (L_y) determined as follows.

Baseline emissions: The baseline emissions are determined as a multiple of net electricity generated and supplied to the grid by the renewable energy technology (EG_y in MWh), and an electricity grid emission factor calculated as per CDM EB guidance.

As per the VCS registered PD, the emission factor has been fixed *ex-ante*. For the current verification period, PJRCDM was able to verify the VER calculations based on the grid emission factor of 0.9075 tCO₂/MWh.

Project emissions: As per methodology, there are no project emissions applicable and hence they have been considered as zero.

Leakage: No leakage has to be considered for the proposed project activity.

Emission reductions: $ER_y = BE_y - PE_y - L_y = BE_y$

During the current monitoring period, i.e. from 28th March 2006 to 31st July 2009, the project activity has delivered 27,465 MWh of net electricity to the grid. This was checked against the JMR readings and cross verified with the invoices raised by the client. Based on this the net reduction in GHG emission achieved by the project activity during the said monitoring period is equivalent to **24,911 tCO₂e**.

The above value of GHG emission reductions is based on completely monitored data, transparently presented, accurately measured and calculated, conservatively estimated and independently verified by PJRCDM.

2.2.5 Review of Additional Data from other Sources if appropriate

The validation report of the VCS registered project issued by PJRCDM, dated 18th November 2009, the VCS Registered PD, version 03 dated 28th October 2009 were reviewed for any pending issues to be considered during verification.

The other source of information was the CEA Database Version 04, available from the website, from which the emission factor for the grid was determined.

2.3 Internal Quality Control

On completion of the assessment by the GHG assessment team, the complete verification package including the verification report, monitoring report and supporting documents is sent to the Technical Reviewer. In this stage, the Technical Reviewer independently assesses the project with the VCS requirements before accepting/ rejecting the recommendation from the GHG assessment team.

3 VERIFICATION FINDINGS

3.1 Remaining issues, including any material discrepancy, from previous validation

No pending issues were identified from the discussion, findings and conclusions drawn from the current VCS Validation Report (version 01) issued by validating agency dated 18th November 2009.

3.2 Project Implementation

The project activity involves the installation and operation of four (4) Wind Turbine Generators (WTGs) in different villages of installed in the Mada village, Jaisalmer district of Rajasthan, India by the clients. These WTGs are all manufactured by M/s Suzlon Energy Ltd. and are of 1.25 MW capacity.

The implementation of the project activity was as described in the VCS registered PD, checked against supportive documents presented. PJRCDM was able to verify that there was no change in project design compared to the design presented in the VCS registered PD, version 03.

3.3 Completeness of Monitoring

The GHG emission reductions are calculated based on the net electricity exported by the project activity to the grid. This is measured by the 0.2 accuracy class tri-vector meters (energy meters) installed at located at the sub-station. The main meter readings are the primary source while the check meter is used to determine the accuracy of meter readings, and the check meter readings would be used in the eventuality of main meter failing, if and when identified during yearly checks.

The JMR sheets of all the monthly readings for all the WTGs were checked and cross verified against the invoices raised by clients for payment of energy charges.

Complete data of electricity supply to the grid was available for the entire verification period (28th March 2006 to 31st July 2009) which was verified by PJRCDM.

3.4 Accuracy of Emission Reduction Calculations

PJRCDM assessed the different areas (as mentioned below) which can affect the accuracy of the final emission reduction calculations:

Net electricity supplied to the grid: The energy meter readings are noted daily and compared to controller data to check for accuracy in measurement. However monthly joint meter readings are taken and authorized by the representatives of clients and ESCOMs jointly which would then be used to estimate the quantity of energy delivered by the WTGs to the grid. The JMR sheets are the source for the values used to determine the net electricity delivered by the project activity.

Metering accuracy: The registered PD defines the calibration frequency to be annual. However, the same is carried out by the ESCOMs and not under the PPs control. It was noticed that no calibration was carried out for the period under consideration. Hence, the PP has applied the maximum permissible error for the meter (0.2%) which is conservative, on comparing the same with the test reports.

Value of grid emission factor: PJRCDM was able to confirm that this parameter was fixed *ex-ante* during the validation of the project (Validation Report Version 01 dated 18th November 2009 and VCS PD Version 03 dated 28th October 2009) and the same was used for ER

calculations for the current monitoring period. Even during validation, the parameter was derived from officially published latest database¹ from Central Electricity Authority of India, a subsidiary of Ministry of Power, Government of India, which is the authentic source of such information.

The emission factor for the Southern grid to which the project activity exports power to is determined as 0.9075 tCO₂/MWh.

3.5 Quality of Evidence to Determine Emission Reductions

The source of net energy generation, as reported in the registered PD, is the JMR sheets, and the same were used by the client to calculate the EG_y. PJRCDM was able to check and verify the values. The annual value of the energy exported was the summation of these monthly readings. The JMR sheets are deemed to be the most appropriate source of data for net energy exported, as the values denoted were jointly measured by the representatives of the PP and a Government representative (ESCOM official), duly signed and acknowledged by both parties. Further this would form the basis on which the ESCOMs pay the client, which was cross checked by PJRCDM by verifying the invoices.

The emission factor for the Southern grid to which the project activity exports power to is determined as 0.90757 tCO₂/MWh, a value fixed *ex-ante* during validation of the project activity and sourced from the official source for grid emission factors in India.

These practices meet the requirements of the applied methodology and approved monitoring plan as registered in the VCS PD.

PJRCDM was able to verify that the calculations are based on the authentic data from the joint meter reading sheets issued by the state electricity boards of respective states. The excel sheet used to calculate the monthly emission reduction figure were all tracked, checked and found to be consistent. Some errors were found in data transfer which were communicated to the project developer and the excel sheet was corrected accordingly

3.6 Management and Operational System

The clients have established and implemented procedures to monitor the project activity and it's operation as per the registered PD. These procedures cover management responsibilities, data monitoring and reviewing procedures and have provided with reports.

All the daily and monthly records are archived in electronic copy and paper format.

¹ <http://www.cea.nic.in/planning/c%20and%20e/Government%20of%20India%20website.htm>

4 VERIFICATION CONCLUSION AND CERTIFICATION STATEMENT

Perry Johnson Registrars CDM Inc. (PJRCDM) has carried out verification of the emission reductions achieved by the project “5.0 MW small scale wind based power generation for captive use by Balkrishna Industries Limited (BIL) in Rajasthan, India” against the guidelines of VCS 2007.1. The project activity is generation of electricity by four (4) Wind Turbine Generators (WTGs) of different capacities installed in various villages of Mada, in Jaisalmer district in Rajasthan, India.

Verification was sought for the emission reductions achieved by the project within the period 28th March 2006 to 31st July 2009. The project has applied the version 13 of the small scale CDM methodology AMS-I.D “Grid connected renewable electricity generation” and the emission reductions are as reported in the version 4 of the monitoring report, dated 03rd March 2010.

*PJRCDM’s approach is risk-based, drawing on an understanding of the risks associated with reporting GHG emissions data and the controls in place to mitigate them. The assessment was based on review of supporting evidences and information provided, including other explanations where necessary to enable PJRCDM to provide **reasonable assurance** that the reported amount of GHG emission reductions for the specified period is materially correct and fairly stated.*

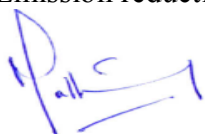
Certification statement:

PJRCDM confirms that the project activity has been implemented as per the VCS registered PD and that the emission reductions presented in the monitoring report version 04 dated 03rd March 2010, are correctly determined as per the VCS2007.1 standard and AMS-I.D methodology, version 13. Based on the above information, PJRCDM confirms the following:

<i>Name of the project</i>	<i>“5.0 MW small scale wind based power generation for captive use by Balkrishna Industries Limited (BIL) in Rajasthan, India”</i>
<i>VCS PD</i>	<i>Version 03 dated 28th October 2009</i>
<i>Methodology</i>	<i>AMS-I.D Version 13</i>
<i>Monitoring Report</i>	<i>Version 04 dated 03rd March 2010</i>
<i>Reporting period</i>	<i>28th March 2006 to 31st July 2009</i>

Verified emission in the above reporting period:

<i>Project emissions</i>	<i>:</i>	<i>0</i>	<i>tCO₂ equivalents</i>
<i>Baseline emissions</i>	<i>:</i>	<i>24,911</i>	<i>tCO₂ equivalents</i>
<i>Emission reductions</i>	<i>:</i>	<i>24,911</i>	<i>tCO₂ equivalents</i>



Project Manager

PJRCDM



Site Program Manager

PJRCDM

APPENDIX I: DOCUMENTS REVIEWED

- /1/ Monitoring Report: “5.0 MW small scale wind based power generation for captive use by Balkrishna Industries Limited (BIL) in Rajasthan, India” version 04, dated 03rd March 2010 and the previous versions.
- /2/ Project Design Document: “5.0 MW small scale wind based power generation for captive use by Balkrishna Industries Limited (BIL) in Rajasthan, India” dated 28th October 2009.
- /3/ VCS Validation Report – “5.0 MW small scale wind based power generation for captive use by Balkrishna Industries Limited (BIL) in Rajasthan, India Bundled” dated 18th November 2009
- /4/ Approved Small-scale Methodology – Indicative baseline and monitoring methodology AMS ID, version 13: “Grid connected renewable electricity generation”
- /5/ CDM Executive Board: Validation and Verification Manual, version 01.1
- /6/ Emission reduction excel worksheet, ‘Verification Excel Sheet.xls’
- /7/ Joint inspection/test report of main meter and back up meter.
- /8/ Controller data for each WTG J-270, J-275, J-276, J-280 for electricity generation data for the period – 28 March 2006 to 31 July 2009.
- /9/ Invoices raised by Balakrishna Industries for each WTG J-270, J-275, J-276, J-280 for electricity generation data for the period – 28 March 2006 to 31 July 2009.

APPENDIX II : RESOLUTION OF CARs AND CLs

<i>Draft report clarification requests and corrective action requests by verification team</i>	<i>Ref to MR</i>	<i>Summary of project owner response</i>	<i>Verification team conclusion</i>
<p>CAR 1</p> <p>The PP is required to present to PJRCDM, an excel worksheet which includes the following details:</p> <ol style="list-style-type: none"> 1. The month wise readings for the main meter and check meter at the sub-station for both import and export of energy, is to be provided. 2. The data of the controller for each of the WTG is to be provided. 	<p>1.0</p>	<p>Excel sheet containing the net export and import figures, Joint Monitoring Report and Daily Generation Report from SCADA for the verification period submitted to the verifier.</p> <p>As per the monitoring plan the parameter EG_y has duly been updated in the spreadsheet. Additionally, monthly data from controller has also been provided in the Excel worksheet. All source documents have also been submitted.</p>	<p>A revised excel worksheet has been submitted to PJRCDM which includes all these details.</p> <p><i>This CAR is closed.</i></p>
<p>CAR 2</p> <p>For the month of March 2006, the net generation as per the RVPNL generation report is stated to be 362.771MWh, while the value considered for the calculations is 366.773 MWh. The same is to be corrected.</p>		<p>The net generation for the effective period in March-06 is from 28-Mar-2006. Hence the effective power export from the project activity is 2297.92 kWh only as shown in the excel worksheet.</p> <p>The effective net power from the project activity has been corrected to 49450.94 kWh. In the excel worksheet, the export and import figures have been correctly inserted from the monthly Break-up of Net export units. The cell E6 correctly shows the value 366.733 MWh, i.e. power export from the project activity. The effective power export and</p>	<p>The calculations have now been presented with the additional data and documented evidences for the months of April, June and July 2009.</p> <p><i>This CAR is closed.</i></p>

<i>Draft report clarification requests and corrective action requests by verification team</i>	<i>Ref to MR</i>	<i>Summary of project owner response</i>	<i>Verification team conclusion</i>
		<p>import has been calculated for the part of the month that is included in the crediting period that starts from 28-Mar-06.</p> <p>The power export and import from the project activity for the month of March 06 are 366733 kWh and 3692 kWh respectively as given in the break-up sheet. Emission reduction applicable in the verification period is only from 28-March-06. Hence, the applicable net generation is 49450.94 kWh only.</p> <p>Revised excel worksheet and monitoring report accounting for emission reduction up to July 2009 submitted.</p> <p>The break-up sheets for the month of April, June and July 2009 are submitted.</p>	
<p>CL 1</p> <p>The calibration certificates for all the meters involved in the project activity are to be submitted to PJRCDM.</p>	<p>1.0</p>	<p>Calibration certificates of main and check meters have been submitted.</p> <p>A calibration test is a procedure in which an instrument, tool, or device is tested to confirm that it conforms with the standard. Hence, the reports submitted conform to the requirement.</p> <p>Due to non-availability of calibration/test certificates of the meters for the year 2006, the net energy figures for the period March 2006 to February 2006 has been reduced by 0.2%, i.e. the</p>	<p>Since the calibration records were not available for the given period, the PP has adjusted the total ERs taking into account the maximum permissible error for the meters.</p> <p><i>This CL is Closed.</i></p>

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<i>Draft report clarification requests and corrective action requests by verification team</i>	<i>Ref to MR</i>	<i>Summary of project owner response</i>	<i>Verification team conclusion</i>
		maximum permissible error of the instrument. The test reports before and following this period show that the meter error was within the permissible range for the instrument.	
<p>CL 2</p> <p>The certificate for the share of electricity generated at the wind farm, includes only the developer names. Pls provide proofs that the WTGs numbers included in the project activity and PD, form a part of the WTGs mentioned in this certificate.</p>	1.0	<p>Feeder details available from wind farm operator has been submitted.</p> <p>Feeder diagram for the WTGs as available from wind farm developer/operator is submitted. It is evidenced from the VCS-PD, the specification sheets of the WTG already submitted, the feeder diagram and the installed capacity as recorded in the break-up sheet that the total installed capacity of the WTGs is 4x1.25 MW, i.e 5 MW. It is for the installed capacity of the 5 MW owned by the PP that the break-up report records the export and import power figures that are used in the calculation of emission reduction. Authentication is also presented through a letter from M/s Suzlon that is submitted to verifier.</p>	<p>PJRCDM was able to review and verify from the letter from Suzlon the WTGs included in the feeder.</p> <p><i>This CL is closed.</i></p>
<p>CL 3</p> <p>The data measured and recorded (either electronically or as hard copies/log books) by the O&M contractor, is to be provided to PJRCDM.</p>	1.0	<p>Electronically measured data appearing as automatically generated ‘Daily Generation Report’ from SCADA has been submitted. Updated Excel worksheet submitted.</p>	<p>The same has now been provided. PJRCDM was able to verify the data.</p> <p><i>This CL is closed.</i></p>

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<i>Draft report clarification requests and corrective action requests by verification team</i>	<i>Ref to MR</i>	<i>Summary of project owner response</i>	<i>Verification team conclusion</i>
<p>CL 4 More clarity is requested w.r.t the data (invoices and break up sheets) provided for the project activity as indicated with comments in the excel worksheet attached. Pls clarify the same.</p>		<p>Excel worksheet was not available to refer to comments. Excel worksheet corrected and revised as required.</p>	<p>The excel worksheet with the comments were provided and the required corrections have now been provided. <i>This CL is closed.</i></p>
<p>CL 5 The document for the month of November 2007 is not made available. Pls provide the same.</p>		<p>Document for November 2007 has been submitted.</p>	<p>The same has been reviewed and found to be OK. <i>This CL is closed.</i></p>

APPENDIX III: LIST OF PARAMETERS

List of parameters covered during the verification period under consideration (28th March 2006 to 31st July 2009) and details regarding the monitoring and reporting practices.

S.No.	Monitoring and reporting practice/Parameter	Parameter 1
1.	Monitoring and reporting frequency as verified during the site visit.	<i>Electricity supplied by the WTGs in the project activity to the respective regional grids EGy</i>
2.	Monitoring equipment verified during the site visit.	<i>Energy meter Accuracy of main and check meter: 0.2 class</i>
3	Calibration frequency and other details verified during the site visit.	<i>Once in a year. The calibration activity is in the control of the state ESCOMs. No calibration was carried out during this period. However, the test reports were submitted by the PP for the entire period and applying the principles of conservativeness, the PP has adjusted the total generation from the WTG against the maximum permissible error of the meter.</i>
4.	The above parameters are in line with the MP agreed in the registered PDD.	<i>Yes. See discussion above.</i>
5	The above parameters are in line with the monitoring methodology applied for the proposed project.	<i>Yes. See discussion above.</i>
6	Calibration entity and if the same is in line with the monitoring plan as agreed in the registered PDD.	<i>Meter testing has been carried out by the state electricity Boards i.e. Rajasthan Rajya Vidhyut Prasaran Nigam Limited The calibration entity is in line with the monitoring plan as mentioned in the VCS PD.</i>