



VALIDATION OPINION
ITP SENERGY LTD
(FORMERLY SENERGY GLOBAL
PRIVATE LIMITED)

VALIDATION OF POST
REGISTRATION CHANGES OF THE
10.6 MW WIND FARM AT VILLAGE
BADABAGH, DISTRICT JAISALMER,
RAJASTHAN

REPORT No.INDIA-PRC/27.49/2013

REVISION No.1.0

BUREAU VERITAS CERTIFICATION

62/71 Boulevard du Château
92571 Neuilly Sur Seine Cdx - France

Abbreviations

CAR	Corrective Action Request
CDM	Clean Development Mechanism
CER	Certified Emission Reductions
CL	Clarification Request
CO ₂	Carbon Dioxide
CO ₂ e	Carbon Dioxide Equivalent
DOE	Designated Operational Entity
FAR	Forward Action Request
GHG	Green House Gas(es)
MoV	Means of Verification
MP	Monitoring Plan
PDD	Project Design Document
PLF	Plant Load Factor
PP	Project Participant
PPA	Power Purchase Agreement
PRC	Post-Registration Changes
UNFCCC	United Nations Framework Convention on Climate Change
VVS	Validation and Verification Standard



1. INTRODUCTION:

ITP Senergy Ltd (Formerly Senergy Global Private Limited) has commissioned Bureau Veritas Certification to verify the emissions reductions of its CDM project 10.6 mw wind farm at village badabagh, district Jaisalmer, Rajasthan (hereafter called "the Project") at Badabagh and Mada.

The Project activity consists of 14 WTGs connected to Badabagh and Mada substation of Jaisalmer District, Rajasthan India. The project activity is a bundled project with aggregate capacity of 10.6 MW connected to the NEWNE regional grid of India. There are total six investors in the project activity. The annual expected electricity supplied to NEWNE Grid of India as per the registered PDD is 19,000 MWh and the annual estimated emission reductions are 16452 tCO₂e.

Project title:	10.6 MW wind farm at Village Badabagh, District Jaisalmer, Rajasthan
UNFCCC ref number:	0571
Registration Date:	15/12/2006
Crediting Period:	30/03/2003 to 29/03/2013 (fixed)
Monitoring Period:	01/12/2006 to 31/12/2010
Project Participants:	ITP Senergy Limited (formerly Senergy Global Private Limited)
Methodologies used	AMS-I.D. Version 09
Location of the Project:	Badabagh and Mada, Jaisalmer, Rajasthan, India
Geo coordinates:	Longitude: 69°36' to 69°38' E, Latitude: 26°40' to 26°42' N
UNFCCC view page:	http://cdm.unfccc.int/Projects/DB/BVQI1157614452.25/view

2. POST REGISTRATION CHANGES OBSERVED

It was observed during the verification of the current monitoring period that project participant could not provide records (JMRs or Break-up sheets or Invoices) of the monitoring of the net electricity supplied to the grid from the WTGs of the investors for some of the months for current monitoring period. Following the guidance provided under Appendix 1 of the Project Standard (Version 5.0), the PP has taken zero values for net electricity generation and baseline emissions for the applicable months where JMR or Break-up Sheet or invoice is not available.

The PP has applied zero value for the net electricity generation and baseline for the following months during the current monitoring period:

Name of the investor	Months
Varroc Engineering Pvt. Ltd. (J-56, 1.25 MW)	Mar 07 to Oct 07, Mar 09, Jun 10, Nov 10 to Dec 10
Vishal Plastomer Pvt. Ltd. (J-50, 0.35 MW)	Apr 08, Feb 09, May 09, Mar 10 to Dec 10
Vishal Exports Overseas Ltd. 1.75 MW (5 X 0.35 MW) {J-51, J-52, J-53, J-54, J-55}	Feb 08 to Apr 08, Jun 08, Jun 10, Nov 10
Suzlon Towers and Structures Ltd. (J-59,	May 09



VALIDATION OPINION

J-60) {2 X 1MW}	
Endurance Technologies Ltd. (2 X 1MW) {J-57, J-58}	Aug 08 to Oct 08, Jan 10, Jul 10 to Aug 10
Endurance Technologies Ltd. (J-62, 1 MW)	Aug 08 to Oct08, Dec 08, Jan 10, Jul 10 to Aug 10
Navbharat Buildcon [P] Ltd. (J-267, 1.25 MW)	Mar 07 to Jun 07, Aug 09, Oct 09

This temporary deviation is permitted as per Project Standard (Version 5) Appendix 1 since PP has conservatively taken zero value for net electricity generation and baseline emissions for all the months specified above. Hence, there is no requirement of the prior approval for this temporary deviation from the CDM Executive Board. The verification team accepted the same as this temporary deviation is in accordance with Project Standard (Version 5) Appendix 1.

It was also noted from the review of the documents for the current monitoring period that name of the project participant was changed to ITP Senergy Ltd. from Senergy Global Private Limited. The project participant submitted the name change certificate (Ref /21/) and the authorization of the project participant (Ref /22/) from National CDM Authority, Ministry of Environment and Forest (MoEF), India (Indian DNA). The verification team reviewed the original letter of approval (Ref/21/) issued to the PP with reference to the approval of the participation of changed name of the PP and hence, does not doubt the authenticity of the letter of the approval. In addition, the verification team also reviewed the fresh Certificate of Incorporation from Deputy Registrar of Companies Consequent upon Change of Name from M/s. Senergy Global Limited to M/s. ITP Senergy Limited dated 13/12/2010.

Similarly, it was also noted that name change took place for two investors of the bundle during the current monitoring period. The details are provided below in the Table:

Earlier Name of the Investor	Changed Name of the Investor	Date of name change	Reference
Suzlon Green Power Limited	Suzlon Towers & Structures Limited	24/03/2006	Name Change Certificate issued from the Registrar of Companies (Ref /15/)
Endurance Transmission Systems (India) Private Limited	Endurance Technologies Private Limited	11/08/2006	Name Change Certificate issued from the Registrar of Companies (Ref /14/)
Endurance Technologies Private Limited	Endurance Technologies Limited	09/07/2010	Name Change Certificate issued from the Registrar of Companies (Ref /19/)



VALIDATION OPINION

The verification team confirms that the revised monitoring report being submitted for issuance request is in accordance with the above changes took place in the project activity during the current monitoring period. The above reported change is being submitted as per the guidance provided under Para 136 and Para 188 of the Project Cycle Procedure (PCP), Version 5.0. The above-stated changes do not affect the project design.

No other change to the project design has been identified during this verification. The implementation and operation of the project activity have been conducted in accordance with the description contained in the registered PDD and the Revised Monitoring Plan (RMP) already approved by the CDM Executive Board. The same was also verified during the physical site visit conducted by the verification team on 9th and 10th July 2013.

3. VALIDATION OPINION ON POST REGISTRATION CHANGES

Bureau Veritas Certification has performed a validation of post-registration changes of the registered CDM project "10.6 MW wind farm at Village Badabagh, District Jaisalmer, Rajasthan". The validation was performed on the basis of UNFCCC criteria for the CDM, and host country criteria, as well as criteria given to provide for consistent project operations, monitoring and reporting.

The validation consisted of the following three phases: i) desk review of the project design document and additional background documents; ii) follow-up interviews with project stakeholders; iii) resolution of outstanding issues and the issuance of the final validation report and opinion.

The review of the additional information and the subsequent follow-up interviews has provided Bureau Veritas Certification with sufficient evidence to determine the fulfillment of stated criteria. In our opinion, the post-registration changes meet all relevant UNFCCC requirements for the CDM and the relevant host country criteria. Bureau Veritas Certification thus requests the CDM Executive Board to accept the above-stated changes as part of the request for issuance.

Mr. Anupam Badola
Team Leader
25/10/2013

Mr. Anurag Juyal
Supporting ITR
25/10/2013

Mr. Sanjay Patankar
Internal Technical Reviewer
25/10/2013

4. REFERENCES

Documents reviewed:

- /1/ Registered PDD version 03 dated 12/08/2006, UNFCCC ref no.0571
- /2/ Revised Monitoring Plan approved on 21/01/2011
- /3/ Validation Report revision 01, dated 24/08/2006
- /4/ Assessment Opinion on the Changes, Report No. BVC/INDIA/VER 1/27.49/2011 version 03 dated 14/02/2011.
- /5/ Monitoring Report version 1, dated 20/02/2013,
- /6/ Monitoring report, Version 04 17/10/2013
- /7/ ER Calculation Spreadsheet
- /8/ AMS I.D Version 09 **Erreur ! Source du renvoi introuvable.** dated 26/07/2006
- /9/ Validation and Verification Standard Version 05.0 dated 04/10/2013
- /10/ Joint Meter reading certificated for the period 01/12/2006 to 31/12/2010
- /11/ Monthly Break up of Generation Sheet, based on the Joint Meter Reading Statement for the monitoring period 01/12/2006 to 31/12/2010.
- /12/ Invoices of the electricity sold during the period 01/12/2006 to 31/12/2010
- /13/ Calibration Records/Certificates of the energy meters for the monitoring period 01/12/2006 to 31/12/2010
- /14/ Name change certificate from Endurance Transmission Systems (India) Private Limited to Endurance Technologies Private Limited dated 11/08/2006
- /15/ Name change certificate from Suzlon Green Power Limited to Suzlon Towers & Structures Limited dated 24/03/2006.
- /16/ Minutes of Meeting for bundling of metering point to SEL 39 for the wind machines in Badabagh dated 1/08/2008
- /17/ Minutes of Meeting dated 01/08/2008 and Joint Inspection Report of the main and check energy meters issued by the state electricity utility (Rajasthan Rajya Vidyut Prasaran Nigam).
- /18/ Clean Development Mechanism Project Standard Version 05
- /19/ Name change certificate from Endurance Technologies Private Limited to Endurance Technologies Limited dated 09/07/2010
- /20/ Clean Development Mechanism Project Cycle Procedure Version 05
- /21/ Fresh Certificate of Incorporation from Deputy Registrar of Companies Consequent upon Change of Name from M/s. Senergy Global Limited to M/s. ITP Senergy Limited dated 13/12/2010
- /22/ Host Country Approval for the New name M/s. ITP Senergy Limited from Ministry of Environment and Forest (MoEF), Government of India dated 12th March 2013
- /23/ Guideline – Completing the Monitoring Report Form Version 04, EB, 75.

Persons interviewed:

ITP Senergy Limited

- /1/ Mr. C.P. Bhat Head Climate Change and Sustainability , ITP Senergy Limited
- /2/ Mr. Mudit Market Analyst, ITP Senergy Limited

Suzlon Energy

- /3/ Mr. Satish Sharma Sr. Engineer, Suzlon Energy Limited

VALIDATION OPINION



/4/	Mr. Bihari Ram,	Asst. Manager, Suzlon Energy Limited
/5/	Mr. Piyush Saxena	Engineer, Suzlon Energy Limited

5. CURRICULA VITAE OF THE DOE'S VERIFICATION TEAM MEMBERS

Mr. Anupam Badola	Bureau Veritas Certification, India	<p>Team Leader, Climate Change Lead Verifier,</p> <p>Post Graduate in Environmental Science with six years of work experience in climate change services. He has previously worked with a manufacturing organisation and a carbon advisory firm in India on CDM project development, CDM project due diligence, stack, ambient air pollution monitoring, water pollution monitoring, etc. He is the Lead Auditor for Environment Management System and involved in the validation and verification of the CDM/VCS projects.</p>
Mr. Prabhavtar Singh	Bureau Veritas Certification, India	<p>Team Member, Climate Change Lead Verifier.</p> <p>He has a Bachelors of Technology degree in Mechanical Engineering and Masters of Business Administration degree in Energy and Finance. Has 2 years of experience in manufacturing industry in functions like Quality, Process validation and QMS. Has over 2.5 year of experience in CDM/VCS. Has worked on various Wind, Hydro and Biomass based cogeneration projects. He has undergone training related to Clean Development Mechanism. Working for the last 1.5 years in Bureau Veritas Certification (India) Pvt. Ltd. as Verifier – Climate Change and currently involved in validation and verification of CDM projects.</p>
Mr. Sanjay Patankar	Bureau Veritas Certification, India	<p>Technical Reviewer, Local Product Manager, India</p> <p>He holds a Masters and Bachelors degree in Mechanical Engineering with over 20 years of work experience in engineering manufacturing industry covering various functions like enterprise management, product design, engineering, tool & die design, improvements in the production shop, quality assurance & control and systems planning and implementation, including ISO 9001 based quality management systems. He is working with Bureau Veritas Certification (India) Pvt. Ltd. as a Lead Auditor since last 2 years for ISO 9001, 14001 and OHSAS 18001 standards/specifications. He has undergone training related to Clean Development Mechanism and is currently involved in technical review, validation and verification of CDM project activities.</p>



VALIDATION OPINION

Mr. Anurag Juyal	Bureau Veritas Certification, India	Supporting ITR, Lead Verifier, India Post-graduate in Energy Systems with more than 5 years of experience in the field of climate change services. He is working in Bureau Veritas Certification (India) Pvt. Ltd. as Lead Verifier-Climate Change. Prior to joining Bureau Veritas, he worked on GS/CDM/VCS projects as a consultant. He has received extensive training in CDM validation and verification processes and participated in assessment of CDM projects.
------------------	--	---