

# ANNEX 3

# ASSESSMENT

REGARDING POST REGISTRATION CHANGES  
VISH WIND INFRASTRUCTRE LLP & J.N.  
INVESTMENT & TRADING CO. PRIVATE  
LIMITED CLIENT

BUNDLED WIND POWER PROJECT IN  
JAMNAGAR, GUJARAT

**Report No: 8109477171 – 12/534**

**Date: 2013-02-21**

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<b>Assessment Report</b> on post registration changes	<b>Report No.</b>	<b>Rev. No.</b>	<b>Date of 1<sup>st</sup> issue:</b>	<b>Date of this rev.</b>
	8109477171 – 12/534	0	2013-02-21	2013-02-21
<b>Project:</b>	<b>Title:</b>	<b>Registr. date:</b>	<b>UNFCCC-No.:</b>	
	Bundled Wind Power Project in Jamnagar, Gujarat	2011-07-15	4964	
<b>Project Participant(s):</b>	<b>Name:</b>	<b>Party:</b>		
	Vish Wind Infrastructre LLP & J.N. Investment & Trading Co. Private Limited	India		
<b>Applied methodology/ies:</b>	<b>Title:</b>	<b>No.:</b>	<b>Scope:</b>	
	Grid Connected Renewable Electricity Generation	AMS.I.D version 16	1/1.2	
<b>Post Registration Changes:</b>	<b>Type of requested changes</b>	<b>Number of changes</b>	<b>Prior Approval required</b>	
	<input type="checkbox"/> Temporary deviations from the MP	-	<input type="checkbox"/>	
	<input type="checkbox"/> Temporary deviations from the MM	-	<input type="checkbox"/>	
	<input type="checkbox"/> Corrections that do not affect the project	-	<input type="checkbox"/>	
	<input type="checkbox"/> Change to the start date of the crediting p.	-	<input type="checkbox"/>	
	<input checked="" type="checkbox"/> Permanent changes from the MP	1	<input type="checkbox"/>	
	<input type="checkbox"/> Permanent changes from the MM	-	<input type="checkbox"/>	
	<input type="checkbox"/> Design changes to the project activity/PoA	-	<input type="checkbox"/>	
<b>Revised PDD:</b>	<b>Title:</b>	<b>Attached in TC:</b>	<b>Attached clean:</b>	
	Bundled Wind Power Project in Jamnagar, Gujarat	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Assessment team / Technical Review and Final Approval</b>	<b>Assessment Team:</b>	<b>Technical review:</b>	<b>Final approval:</b>	
	Mr. Sukanta Das- TL/TE	Mr. Ingo Klein	Mr. Ingo Klein	
<b>Assessment Opinion:</b>	<input type="checkbox"/> The post registration changes require prior Approval by the Board			
	<input checked="" type="checkbox"/> The post registration changes do <b>not</b> require prior Approval by the Board			
<b>Document information:</b>	<b>Filename:</b>	<b>No. of pages:</b>		
	Annex 3_534_12.docx	18		



## Abbreviations

<b>CA</b>	Corrective Action / Clarification Action
<b>CAR</b>	Corrective Action Request
<b>CDM</b>	Clean Development Mechanism
<b>CER</b>	Certified Emission Reduction
<b>CL</b>	Clarification Request
<b>CO<sub>2</sub></b>	Carbon dioxide
<b>CO<sub>2e</sub></b>	Carbon dioxide equivalent
<b>CP</b>	Certification Program
<b>DNA</b>	Designated National Authority
<b>EB</b>	CDM Executive Board
<b>GHG</b>	Greenhouse gas(es)
<b>PA</b>	Project activity
<b>PDD</b>	Project Design Document
<b>PoA</b>	Programme of Activities
<b>PRC</b>	Post Registration Changes
<b>QC/QA</b>	Quality control/Quality assurance
<b>UNFCCC</b>	United Nations Framework Convention on Climate Change
<b>VVS</b>	Validation and Verification Standard

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## 1 OBJECTIVE / SCOPE

Vish Wind Infrastructre LLP & J.N. Investment & Trading Co. Private Limited has commissioned the TÜV NORD JI/CDM Certification Program (CP) to assess post registration changes of the project

*“Bundled Wind Power Project in Jamnagar, Gujarat”*

This report serves for all kind of post registration changes as defined in the PS.

In this case it serves as an annex to the verification report.

## 2 GENERAL CHARACTERISTICS

### 2.1 Project Characteristics

As this assessment was carried out as part of the 1<sup>st</sup> verification of the project activity please refer to chapter 2 of the verification report.

For a detailed project description please refer to the registered PDD and/or the latest verification report (to which this report is attached).

### 2.2 Overview of Post Registration Changes

Within this report post registration changes as listed in Table 2-2 are assessed.

**Table 2-2:** Overview Post Registration Changes

#	Applicable as of / from - to	Type of post registration change <sup>1)</sup>	Description
1	201x-xx-xx to 201x-xx-xx	TDfrMP	N/A
2	201x-xx-xx to 201x-xx-xx	TDfMM	N/A
3	201x-xx-xx	CrPDD	N/A
4	201x-xx-xx	ChSD	N/A
5	2011-09-01 to 2021-08-31	PCfrMP	Change in the calibration frequency of the cluster meter
6	201x-xx-xx	PCfMM	N/A
7	201x-xx-xx	CoPD	N/A
8	201x-xx-xx	CstAR	N/A

- <sup>1)</sup>
- TDfrMP : Temporary deviation from registered monitoring plan
  - TDfMM : Temporary deviation from the monitoring methodology
  - CrPDD : Corrections to the registered PDD
  - ChSD : Change to the start date of the crediting period
  - PCfrMP : Permanent changes from registered Monitoring Plan
  - PCfMM : Permanent changes from Monitoring Methodology
  - CoPD : Changes to the project design of a registered project activity / PoA
  - CstAR : Changes specific to afforestation or reforestation

## 2.3 Assessment team members and technical reviewers

As this assessment was carried out as part of the 1<sup>st</sup> verification of the project activity please refer to the main part of the verification report.

## 2.4 Assessment Steps

The *assessment of post registration changes* consisted of the following steps:

- Appointment of team members and technical reviewers
- A desk review of the registered and revised PDD<sup>/PDD/</sup> submitted by the client and additional supporting documents
- On-Site assessment (if required)
- Background investigation and follow-up interviews with personnel of the project developer and its contractors,
- Resolution of corrective actions (CARs / CLs) (if any)
- Final reporting
- Technical review
- Final approval.

In this case all activities were carried out as part of the 1<sup>st</sup> verification of this project activity.

## 2.5 Review of Documents

The registered as well as the revised PDD and supporting background documents related to the project design and the post registration changes were reviewed.

As far as required the assessment team used additional documentation by third parties like host party legislation, technical reports referring to the project design or to the basic conditions and technical data.

## 2.6 Follow-up Interviews

The validation team has carried out interviews in order to assess the information included in the project documentation and to gain additional information regarding the compliance of the project with the relevant criteria applicable for CDM.

During validation the validation team has performed interviews to confirm selected information and to resolve issues identified in the document review. The main topics of the interviews are summarized in table 2-4.

**Table 2-4:** Interviewed persons and interview topics

Interviewed Persons / Entities	Interview topics
Project proponent representatives Project consultant	<ul style="list-style-type: none"> <li>- Details of the project validation</li> <li>- Project history</li> <li>- Technical details of plant</li> <li>- Intended / implemented changes from the previous project design</li> <li>- Impact of changes on the additionality justification</li> <li>- Impact on the monitoring of the project</li> <li>- Editorial issues of the revised PDD</li> </ul>

A comprehensive list of all interviewed persons is part of section 7 'References'.

## 2.7 Resolution of Clarification and Corrective Action Requests

### 2.7.1 Definition

A **Corrective Action Request (CAR)** will be established where:

- mistakes have been made in assumptions, application of the methodology or the project documentation which will have a direct influence the project results,
- the requirements deemed relevant for validation of the intended / implemented changes,
- there is a risk that the changes cannot be approved by the UNFCCC or that emission reductions would not be able to be verified and certified after the implementation of the changes.

A **Clarification Request (CL)** will be issued where information is insufficient, unclear or not transparent enough to establish whether a requirement is met.

### 2.7.2 Assessment

After reviewing all relevant documents and taken all other relevant information into account, the assessment team issues all findings (in the course of a draft report, if applicable) and hands over the findings to the project proponent in order to respond on the issues raised and to revise the documentation accordingly.

The final reporting step starts after resolution of the raised CARs and CLs. In case the findings from CARs and CLs cannot be resolved by the project proponent or the proposed action related to the FARs raised cannot be assessed as adequate, no positive assessment opinion can be issued by the validation team.

The CAR(s) / CL(s) / FAR(s) are documented in the context of the respective chapters.



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## 2.8 Technical review

Before submission of the final assessment report a technical review is carried out. The technical reviewer is a competent GHG auditor being appointed for the scope this project falls under. The technical reviewer is not considered to be part of the verification team and thus not involved in the decision making process up to the technical review.

As a result of the technical review process the assessment opinion as prepared by the validation team leader may be confirmed or revised. Furthermore reporting improvements might be achieved.

## 2.9 Final approval

After successful technical review of the final report an overall (esp. procedural) assessment of the requested post registration changes will be carried out by a senior assessor located in the accredited premises of TÜV NORD.

Only after this step the notification or the report can be forwarded to the UNFCCC (in case of a positive validation opinion).



### 3 CHANGES THAT DO NOT AFFECT THE PROJECT DESIGN

#### 3.1 Assessment of Changes

##### Requested Deviations / Changes #1

- Type of change(s):
- ☐ Temporary Deviation from Monitoring Plan
  - ☐ Temporary Deviation from Monitoring Methodology
  - ☐ Corrections that do not affect the project design
  - ☒ Permanent Change from Monitoring Plan
  - ☐ Permanent Change from Monitoring Methodology
  - ☐ Changes specific to afforestation or reforestation

##### A. Description of post registration change

<b>Start Date:</b> Please provide the start date of the change	2011-09-01	<b>End Date:</b> Please provide the end date of the change, if applicable	
<b>Description:</b> Please give a detailed description of the changes	<p>As per the registered PDD, the monitoring for the project occurs in 2 steps:</p> <ul style="list-style-type: none"> <li>Cluster metering at 33 KV sub-station</li> <li>Metering of main meter at Enercon 220KV sub-station which is connected to Moti paneli Sub-station of GEDA (Gujarat State Energy Development Agency). However main meter at utility substation is only used in emergency case (failure of 220 KV sub-station).</li> </ul> <p>The meters at the above locations are sealed and maintained by GEDA/GETCO. GEDA/GETCO provides a copy of the calibration certificate for the main meter at Enercon Metering sub-station (220 KV)<sup>/CAL/</sup>. The cluster meters are calibrated once in three years. The installation certificates<sup>/CAL/</sup> of the cluster meters is checked by the assessment team and found correct.</p> <p>The registered PDD mentions that all calibration shall be conducted at an annual frequency. However in the monitoring period it is observed that calibration are carried out by GEDA/GETCO for the 220 KV substation meter annually, however the cluster meter will be calibrated once in three years. The letter<sup>/CAL/</sup> from GEDA regarding the change of calibration frequency of the cluster meter is checked by the assessment team and found correct. Change in the frequency now forms the</p>		



### Requested Deviations / Changes #1

	part of revised PDD.
<b>B. Assessment of post registration change – Permanent changes from MP or MM</b>	
<b>MM compliance:</b> Please check in case of changes to the registered MP, whether they are in compliance with the MM.	The monitoring methodology does not include a specific requirement regarding the calibration frequency of the electricity meter. The change of the present calibration frequency of the cluster meters does not affect the monitoring methodology. The source of Net electricity export is still the share certificate of the GEDA. Further the calibration frequency of the main meter is still annual.
<b>Later version of MM:</b> Please check in cases where compliance with a later version of the MM is demonstrated that the conservativeness of the monitoring and verification is not affected.	The changes do not refer to a later version of the applied methodology.
<b>Accuracy:</b> Please give a detailed assessment whether the change is likely to lead to a reduction in the accuracy of the ER calculation.	The source of net electricity exported to the grid and used for ER calculation is the share certificate provided by GEDA (third party). Based on the share certificate invoice is raised to GEDA by individual project owner. The source is as per the registered PDD and onsite practice. Thus the change in the calibration frequency of the cluster meter does not affect the accuracy of the emission reduction calculation.
<b>Conservative-ness:</b> Please give a detailed assessment whether conservative assumptions or discount factors have been applied to ensure that ER will not be overestimated.	The change in practice does not impact the emission reduction calculation as the final values for net electricity export is monitored based on the Share certificate issued by GEDA which is as per the registered PDD and thus the conservativeness of emission reduction is not affected with the change in the calibration frequency of the cluster meters.
<b>Appendix 1 PS:</b> Check if the changes fall under one of the scenarios of appendix 1 of the PS.	The calibration frequency of the cluster meters is not in the hand of PP. Thus the change of calibration frequency falls under scenario 5 (a) of EB 70 Annex 2; appendix 1.
<b>C. Revised PDD</b>	
<b>Rev. of PDD:</b> Check whether the changes have been fully addressed in a revised PDD.	<input checked="" type="checkbox"/> The changes have correctly been reflected in the revised PDD.  <input type="checkbox"/> A revision of the PDD is not required (in case of temp. changes).  <input checked="" type="checkbox"/> The revised PDD has been forwarded in (i) track-change and (ii) clean version.
<b>D. Prior Approval</b>	



Requested Deviations / Changes #1

**Prior approval:**

Assess whether the change requires prior approval of the board

☐

*The post registration change requires prior approval*

☒

*The post registration change does not require prior approval*

**3.2 Related Findings**

No findings have been identified in this context.



#### **4 CHANGE TO THE START DATE OF THE CREDITING PERIOD**

The post registration changes do not fall under this category.



## **5 CHANGES TO THE PROJECT / PROGRAMME DESIGN**

The post registration changes do not fall under this category.

## 6 SUMMARY OF ASSESSMENT OPINIONS

The below listed changes have occurred after the registration of the project / PoA.

Type of Change occurred	Total No. of changes	No. of changes which require prior approval
<input type="checkbox"/> Temporary deviations from the MP		
<input type="checkbox"/> Temporary deviations from the MM		
<input type="checkbox"/> Corrections that do not affect the project		
<input type="checkbox"/> Change to the start date of the crediting p.		
<input checked="" type="checkbox"/> Permanent changes from the MP	1	-
<input type="checkbox"/> Permanent changes from the MM		
<input type="checkbox"/> Design changes to the project activity / PoA		
<input type="checkbox"/> Changes specific to AR projects		

Non of the changes requires prior approval of the Board.

Essen, 2013-02-21



Mr. Sukanta Das  
TÜV NORD JI/CDM CP  
Assessment Team Leader

Essen, 2013-02-21



Mr. Ingo Klein  
TÜV NORD JI/CDM CP  
Final Approval



## 7 REFERENCES

All references are listed in the Verification Report to which this assessment is attached.



# APPENDIX

## Competence statements of involved personnel



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## **APPENDIX: STATEMENTS OF COMPETENCE OF INVOLVED PERSONNEL**

All personal involved are listed in the Verification Report to which this assessment is attached