
VERIFICATION AND CERTIFICATION REPORT

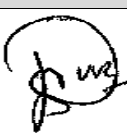
Enerjisa Enerji Üretim A.Ş.

Çanakkale Wind Power Plant

IN

Turkey

MONITORING PERIOD: 4th Monitoring Period
From 01/04/2015 to 31/03/2016 (both days included)

Organizational Unit:	re-consult Ltd. Carbon Department		
Project Title:	Çanakkale Wind Power Plant		
Project Number:	Client:	Current MR Version:	
384	Enerjisa Enerji Üretim A.Ş.	05	
Date of First Issue:	Date of Current Version:	Version Number:	Number of Pages:
28/04/2016	16/05/2016	02	68
Verification Number:	Registration Number:	Monitoring Period:	
04	GS906	From: 01/04/2015	To: 31/03/2016
Summary:			
Host Country: Turkey			
Project is Reviewed Against:			
☒ Kyoto Protocol ☒ UNFCCC CDM rules and regulations and associated documents ☒ Gold Standard rules and regulations ☐ Other (Please Specify)			
Methodology: ACM0002 Version: 12.1.0.			
Verified Emissions Reductions: 48,648 tCO ₂ e			
Project Size: ☒ Large Scale ☐ Small Scale ☐ Micro Scale			
Project Participants:	Enerjisa Enerji Üretim Anonim Şirketi. (ENERJISA)		
Verification Stages:			
☒ Desk Review ☒ Site Visit ☒ Follow-up Interviews ☒ Resolution of Outstanding Issues			
Verification Findings:			
During the verification 3 Corrective Action Requests were issued, all of which were closed out before the issuance of this verification report. 1 Forward Action Request was issued during the verification all of which shall be addressed during the next verification of the project activity. There haven't been any CLs issued in this verification. In summary, it is re-consult's opinion that the project activity "Çanakkale Wind Power Plant" in Turkey, is in compliance with the monitoring plan described in the registered PDD, version 09 dated 04/09/2012. The GHG emission reductions are calculated correctly as per the applied methodology and the emission reductions given in the monitoring report version 05 dated 03/05/2016 are fairly stated.			
Verification Team Leader:	Sandeep Kanda	Indexing Terms:	
Verification Team Members:	Göknıl Tüfeközdemir	☐ No distribution without permission of the client or responsible organizational unit	
Approved By (Technical Reviewer):	Name:	Signature:	☐ Limited Distribution ☐ Unrestricted Distribution
	Sukanta Das		

Abbreviations

CAR	: Corrective Action Request
CDM	: Clean Development Mechanism
CEF	: Carbon Emission Factor
CER	: Certified Emission Reduction(s)
CL	: Clarification request
CO₂	: Carbon dioxide
CO₂e	: Carbon dioxide equivalent
DNA	: Designated National Authority
DOE	: Designated Operational Entity
DR	: Document Review
EF	: Emission Factor
ER	: Emission Reductions
ERPA	: Emission Reduction Purchase Agreement
FAR	: Forward Action Request
GHG	: Greenhouse gas(es)
GS	: Gold Standard
GWP	: Global Warming Potential
I	: Interview
IPCC	: Intergovernmental Panel on Climate Change
kWh	: Kilo Watt Hour
MP	: Monitoring Plan
MoV	: Means of Verification
MW	: Mega Watt
MWh	: Mega Watt Hour
NGO	: Non-governmental Organisation
ODA	: Official Development Assistance
PDD	: Project Design Document
PP	: Project Participant(s)
tCO₂e	: Tonnes of CO ₂ equivalents
UNFCCC	: United Nations Framework Convention on Climate Change

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1. EXECUTIVE SUMMARY– VERIFICATION AND CERTIFICATION OPINION

re-consult Ltd. has performed the fourth periodic verification of the “Çanakkale Wind Power Plant” which is a Gold Standard project with the registry reference number “GS906” for the period between 01/04/2015 and 31/03/2016. The scope of the activities covers the verification and certification of GHG emissions reductions reported in Monitoring Report Version 05 dated 03/05/2016 of “Çanakkale Wind Power Plant”.

re-consult Ltd. hereby confirms that the project activity “Çanakkale Wind Power Plant” in Turkey, is implemented in accordance with the validated and registered PDD version 09 dated 04/09/2012. The monitoring system is in place and the emission reductions are calculated without material misstatements as per the applied approved methodology, which is ACM0002 Version 12.1.0.

re-consult confirms the following based on the results of document review and on-site assessment:

The implementation of the project has resulted in 48,648 tCO₂e during the monitoring period 01/04/2015 up to 31/03/2016.

2. INTRODUCTION

2.1. Objective

re-consult Ltd. has been appointed by “Enerjisa Enerji Üretim A.Ş.” to perform the fourth periodic verification of the “Çanakkale Wind Power Plant” with the contract dated 09/02/2016. The objective of this verification activity is to assess, with objective evidence:

- if the monitoring report dated “03/05/2016” conforms with the requirements of the monitoring plan of the registered PDD and the approved methodology
- if the project activity conforms with the monitoring report and the registered PDD, and
- if the data reported in the monitoring report are complete and transparent.

2.2. Scope

The scope of the verification is the independent and objective review of the monitored GHG reductions. The verification activity is based on the validated and registered PDD version 09 dated 04/09/2012.

The project activity and the monitoring report are assessed against the requirements of the Article 12 of the Kyoto Protocol, CDM Modalities and Procedures as agreed in the Marrakech Accords under decision 3/CMP.1, the annexes to this decision, “ACM0002 version 12.1.0”, subsequent decisions and guidance made by COP/MOP & CDM Executive Board and other related rules, according to the guidance given in the CDM Validation and Verification Standard version 9.0, CDM Project Standard version 9.0, CDM Project Cycle Procedure version 9.0, Gold Standard (GS) Toolkit version 2.2 and other relevant GS requirements.

The only purpose of the verification and certification is its usage during the issuance process as part of the GS project cycle. Therefore, re-consult can’t be held liable by any party for decisions made or not made based on the verification and certification opinion, which will go beyond that purpose.

2.3. Description of the Project Activity

Enerjisa Enerji Üretim A.Ş. (hereafter referred as “ENERJISA”), has installed and commissioned a 29.9 MW wind power plant with 13 Siemens SWT 101 wind turbines, each having a capacity of 2.3 MW each located between Üvecik Village and Mahmudiye Town of Çanakkale Province in Western part of Turkey (hereafter referred as “Çanakkale WPP”).

The crediting period start date of the project as verified from the information provided on GS Registry by registered PDD and Validation Report is 11/02/2011 with choice of renewable crediting period.

2.4. Parties Involved

Enerjisa Enerji Üretim A.Ş. is the project participant and host country is Turkey.

2.5. Verification Period Covered

This is the 4th verification period from 01/04/2015 to 31/03/2016 (both days included).

3. METHODOLOGY

The verification of this GS project activity includes the following steps:

- Assessment of the conformity of the actual project activity and its operation with the registered PDD dated 04/09/2012 version 09.
- A site visit was conducted on 26/04/2016 to assess that all physical features of the project activity proposed in the registered PDD are in place and that the project participants has operated the project activity as per the registered PDD.
- Assessment of the compliance of the monitoring plan with the monitoring methodology ACM0002 version 12.1
- Assessment of the compliance of monitoring with the monitoring plan
- Assessment of data and calculation of greenhouse gas emission reductions
- Issuance of the verification report
- Independent technical review
- Approval of the verification report and request of issuance

The Verification Protocol is used for the assessment of each requirement during the execution of verification activities and is given in Annex-1 of this verification report.

The Verification Protocol consists of three tables:

- Table 1 (Monitoring Report and CDM verification requirements)
- Table 2 (Additional Gold Standard (GS) requirements) and
- Table 3 (Resolution of Corrective Action, Forward Action and Clarification Requests)

The usage description of Table-1 in Verification Protocol is explained in Table 3-1 below:

Table 3-1: Explanation about Table-1 in Verification Protocol

Question	Reference	MoV*	Findings, comments, references and document sources	Draft & Final Conclusion
The requirements related with the monitoring report and verification	Gives reference to the legislation or documents where the relevant requirement is found	Explains how conformance with question is investigated. Examples of means of verification are Document Review (DR), Interview (I) and Not Applicable (NA)	Is used to elaborate and discuss the question and/or conformance to the question by giving related references and document sources based on which the finding is issued or evidence is checked	Either acceptable based on the evidence provided (OK), non-compliance with the requirement (CAR), further clarification (CL) due to insufficient, unclear or not transparent information, forward action request (FAR) that needs to be solved during the next periodic verification

The usage description of Table-2 in Verification Protocol is explained in Table 3-2 below:

Table 3-2: Explanation about Table-2 in Verification Protocol

Question	Reference	MoV*	Findings, comments, references and document sources	Draft & Final Conclusion
The additional requirements related with Gold Standard	Gives reference to the legislation or documents where the relevant requirement is found	Explains how conformance with question is investigated. Examples of means of verification are Document Review (DR), Interview (I) and Not Applicable (NA)	Is used to elaborate and discuss the question and/or conformance to the question by giving related references and document sources based on which the finding is issued or evidence is checked	Either acceptable based on the evidence provided (OK), non-compliance with the requirement (CAR), further clarification (CL) due to insufficient, unclear or not transparent information, forward action request (FAR) that needs to be solved during the next periodic verification

The usage description of Table-3 in Verification Protocol is explained in Table 3-3 below:

Table 3-3: Explanation about Table-3 in Verification Protocol

Draft Report Clarifications, Forward Action and Corrective Action Requests by Verification Team	Ref. to Questions in Table-1 and Table-2	Summary of Project Participants' Response	Verification Team Conclusion
The all CL, FAR and CARs determined during the draft verification report should be listed here	Gives reference to the checklist questions in Table-1 of Verification Protocol	Is used to summarize the responses by project participants regarding the non-conformities	Is used to summarize the responses by verification and their conclusions

The Verification Protocol is fulfilled by the verification team in line with the descriptions above and all the CARs, CLs and FARs are listed in a transparent and clear manner.

3.1. Verification Team and ITR Selection

The appointment process of the verification team takes into account the technical area(s), sectoral scope(s), and relevant host country experience required amongst team members for the verification of the emission reductions achieved by the project activity in the relevant monitoring period for this verification. The relevant GS verification and previous ITR experiences are also assessed during the selection of the team members and Independent Technical Reviewer (ITR), respectively. The verification team and ITR are assigned to this verification activity on 10/11/2015 taking all the above factors into consideration and as a result of the contract review process.

The verification team and ITR details are given in Table 3-4 below:

Table 3-4: Verification team and ITR details

Name	Role	Host Country Experience	Scope Coverage	Technical Expertise	Involvement *
Sandeep Kanda	Team Leader	☑	☑	☑	DR, R, A
Göknil Tüfeközdemir	Trainee Verifier	☑	☑	☑	SV, R
Sukanta Das	ITR	☑	☑	☑	ITR

* Explanations for the abbreviations used for involvement types are as follows:

- A : Administrative
- DR : Desk Review
- SV : Site Visit
- R : Reporting
- ITR : Independent Technical Review

3.2. Desk Review of Documents

The basis for the verification activity is the monitoring report version 0, dated 12/04/2016 which was submitted to the verification team on 13/04/2016. This monitoring report was revised several times due to the issued CARs and CLs, version 05 dated 03/05/2016 being the final version. The monitoring report and the monitoring activities were assessed against the registered PDD, version 09 dated 04/09/2012, the methodology ACM0002, version 12.1.0, the relevant CDM rules and regulations, CDM Validation and Verification Standard version 9.0, Gold Standard Toolkit version 2.2, final validation report of Germanischer Lloyd Certification GmbH (GLC), Report No. GS008, dated 07/02/2012, version 10 and the previous (3rd) verification report of TÜV Rheinland, dated 13/07/2015, version 2.1.

The following actions were involved in the desk review:

- A review of the data and information presented to verify their completeness
- A review of the monitoring plan and monitoring methodology, paying particular attention to the frequency of measurements, the quality of metering equipment including calibration requirements, and the quality assurance and quality control procedures
- An evaluation of data management and the quality assurance and quality control system in the context of their influence on the generation and reporting of emission reductions

A list of all the documents that were reviewed can be found in Section 6 of this verification report.

3.3. On-Site Visits

As a part of the verification activities a site visit was performed to the project activity site, details of which can be seen in the below Table 3-5:

Table 3-5: Site visit details

Date	25.04.2016	
Location	Mahmudiye / Çanakkale	
Participant	Company Name	Role in the Organization / Role in the Site Visit
Irem Büyükköse	Enerjisa	Reporting Engineer
Özgür Çelebi	Enerjisa	Operation Engineer
Ersin Kaymak	Enerjisa	Process Support Technician
Halil Gençel	Enerjisa	Process Technician
Recep Eken	Mahmudiye Village	Mukhtar
Hasan Düzel	Mahmudiye Village	Villager
Enver Demirel	Mahmudiye Village/ Euroserve Güvenlik	Villager/Security Staff
Points Verified		Source of Information
Implementation and operation of the proposed CDM project activity as per the registered PDD		Interviews
Review of information flows for generating, aggregating and reporting the monitoring parameters		Interviews
Interviews with relevant personnel to confirm that the operational and data collection procedures are implemented in accordance with the monitoring plan in the PDD		Interviews
Cross-check between information provided in the monitoring report and data from other sources such as plant log books, inventories, purchase records or similar data sources		Interviews
Check of the monitoring equipment including calibration performance and observations of monitoring practices against the requirements of the PDD and the selected methodology		Interviews
Review of calculations and assumptions made in determining the GHG data and emission reductions		Interviews
Identification of quality control and quality assurance procedures in place to prevent or identify and correct any errors or omissions in the reported monitoring parameters		Interviews

3.4. Reporting of Findings via the Verification Protocol

During the verification period, a Verification Protocol which is attached in Annex 1 to this verification report was used to submit the findings to the project participants.

In line with the CDM Validation and Verification Standard the team reports the non-conformities in the forms of Corrective Action Requests (CARs), Clarification Requests (CLs) and Forward Action Requests (FARs). When and for which type of non-conformities CARs, CLs and FARs are issued are explained below:

- The Verification team raises a **CAR** if one of the following occurs:
 - Non-conformities with the monitoring plan or methodology are found in the monitoring and reporting, or if the evidence provided to prove conformity is insufficient;
 - Mistakes have been made in applying assumptions, data or calculations of emission reductions that will impair the estimate of emission reductions;
 - Issues identified in a FAR during validation to be verified during verification have not been resolved by the project participants.
- The Verification team raises a **CL** if information is insufficient or not transparent not clear enough to determine whether the applicable CDM requirements have been met.
- The Verification team raises a **FAR** during verification for actions if the monitoring and reporting require attention and/or adjustment for the next verification period.

According to these principles total of 3 CARs and 1 FAR were issued all of which are listed in the Verification Protocol. There haven't been any CLs issued in this verification.

3.5. Follow-Up Interviews

During the verification period follow-up interviews were realized by the verification team to further analyze the correctness and accurateness of the information provided. A list of persons interviewed is given in Section 5 of this Verification Report.

3.6. Resolution of Outstanding Issues

During the verification activities CARs and CLs were issued to clarify the issues that are not transparent enough to reach a positive verification opinion and to approve the achieved GHG emission reductions.

If there are any findings issued as Forward Action Requests (FARs) indicated in previous validation and/or verification reports were discussed during this phase.

Issues issued in the FARs from previous reports, and CLs and CARs from this verification activity, were resolved, during the written and oral communications between the Project Participant and re-consult Ltd. Verification Team members. These communications are backed up with objective evidences that were sent to the verification team as a proof of compliance. Concerns issued in the desk review, the on-site audit assessments and the follow up interviews and the responses provided for the issued concerns are documented in Annex 1 (Verification Protocol) to guarantee the transparency of the verification process.

Table 3-6: Timeline of verification activities

Activity	Date
Desk review started	13/04/2016
1 st Protocol submission to client	20/04/2016
On site assessment	26/04/2016
Responses received	27/04/2016
2 nd Protocol submission to client	28/04/2016
Closure of all CARs and CLs	03/05/2016
Submission for Technical Review	12/05/2016
Submission for final approval	16/05/2016
Final documents submitted to Gold Standard	16/05/2016

Information or clarifications provided as a response to a CAR, CL or FAR could also lead to a new request. This can also be seen transparently in the Verification Protocol provided in Annex 1 of this Verification Report.

3.7. Internal Quality Control

As a final step of verification, the final documentation including the verification report and its annexes have to undergo an internal quality control by the re-consult. This quality control is also referred to as Independent Technical Review process.

The Independent Technical Review is performed by another Team Leader who hasn't involved in the verification activities of this project activity. When the Team Leader finalizes the Verification Report, the report is sent to Independent Technical Reviewer, at this stage not only the report but all the supporting documents like emission factor calculations, additionality justifications, relevant excel sheets etc. are reviewed.

Further CLs and CARs can be issued by the Independent Technical Reviewer during this review, to cover all the points that may need further clarification.

After all the CLs and CARs are closed, the verification report is reviewed and approved by the Team Leader, ITR and the Certification Manager/General Manager, and the request of issuance is submitted to the EB in line with the positive verification opinion and along with the all relevant documents.

4. VERIFICATION FINDINGS

4.1. Remaining Issues from Previous Validation or Verifications

The previous verification report indicates 1 forward action requests (FARs) which shall be verified during the current monitoring period, namely

FAR1: Prior to the next periodic verification it should be further elaborated in more detail, what have been the reasons for the underperformance in comparison to the wind energy yield predictions, as besides of the above mentioned technical failure no other malfunction, resettlement, repair service or any other relevant event with effects on the availability of the wind farm has occurred within this monitoring period.

The MR indicates the events which affected electricity generation at the wind park in the 4th monitoring period. The PP also explained that the foundation retrofits (done in May,2015) decreased the capacity factor by 1.2% for this monitoring period. Besides this, lower wind regime in the monitoring period (mainly in April, June and September,2015) decreased the overall capacity factor.

4.2. Compliance of the Project Implementation with the Registered PDD

The project is fully implemented according to the description presented in the registered PDD. During on-site visit 13 wind turbines were seen. The verifier confirms, through the visual inspection that all physical features of the project activity including data collecting systems and storage have been implemented in accordance with the registered PDD. Electric meters were also seen on-site. The project activity is completely operational and the same has been confirmed on-site.

According to the registered PDD, the estimated annual emission reduction is 55,878 tCO₂e. The actual values achieved for the current monitoring period is 48,648 tCO₂e corresponding to 12 months. The actual amount of emission reduction for the current monitoring period is slightly less than estimated emission reduction amount. However, the difference is small enough to be considered as a deviation from estimated data.

The difference between the values of the data presented in the MR and the stated data in the registered PDD is not significant. The difference in the values does not lead to a substantial increment of the ER in this period or in future periods in relation to the estimates in the registered PDD.

4.3. Compliance of the Monitoring Plan with the Monitoring Methodology

The monitoring plan is in accordance with the approved methodology, ACM0002, Version 12.1.0, applied by the project activity.

In line with the methodology, the only information to be monitored is the amount of net electricity delivered to the grid by the project activity.

4.4. Compliance of the Monitoring with the Registered Monitoring Plan

The net electricity is measured continuously by a main meter at the grid interface and recorded monthly. There is also a cross-check spare meter. The meters used are in line with the regulatory requirements for electricity meters. The serial numbers are 53035219 for the main meter and 35004263 for the spare meter respectively. The accuracy class of the main meter is 0.2s and spare meter is 0.5s. The electricity meters have been controlled and maintained by the grid owner. The quantity of net electricity delivered to the grid has been calculated with the EPIAŞ (the financial settlement centre of TEIAS) records provided to the PP by TEIAS. All readings and billings are done via EPIAŞ system which is the legal database of the ministry.

There are always internal reviews of the metered data which is checked by different parties. SCADA system is available from which daily reports are taken. The data collected daily is saved in plant manager computer and backed up. Log books were checked and sampled during site visit. There were no differences in data.

4.5. Completeness of Monitoring

All parameters required by the methodology and Gold Standard are monitored. In line with the methodology, the only information to be monitored is the amount of net electricity exported to the grid by the project activity.

As there are no missing parameters, monitoring is complete.

4.6. Sustainability Monitoring

Sustainability measures are in line with Section G of the Gold Standard Passport. For verification of sustainability parameters in the current monitoring period, on site visit observations and interviews with local stakeholders were used.

Compliance check of the parameters indicated in the sustainability monitoring plan of the GS-Passport has been carried out as follows in Table 4-1 below:

Table 4-1: Sustainability parameters compliance check

No.	Indicator	Future target for chosen parameter	Way of monitoring (When)	Compliance check
1	Air quality	Dust dispersion - To keep at minimum during construction	Quarterly during construction	Not applicable for this 4 th periodic verification
2	Water quality and quantity	Wastewater connection to the sewage - No wastewater discharge to the environment	Quarterly during construction	During the site visit, a septic tank for collection of wastewater has been checked. The sewage is transferred by sewage truck to local municipality

No.	Indicator	Future target for chosen parameter	Way of monitoring (When)	Compliance check
				sewage system as per the "Regulation on Control of Water Contamination". This has been confirmed through the septic tank discharge invoice.
3	Soil condition	Storage of excavated material and waste - None	Quarterly during construction	Not applicable for this 4 th periodic verification
4	Soil condition	Storage of hazardous waste - No hazardous waste leakage	Quarterly during construction and once for each year of operation	During site visit, it was observed that the hazardous waste was stored in a storage area. Proper handling of the hazardous waste was also confirmed through the 'Hazardous Waste Declaration Form' and 'Waste oil analysis and Declaration'.
5	Soil condition	The installation of turbines - No damage to agricultural activities	Quarterly during construction	Not applicable for this 4 th periodic verification
6	Other pollutants	Noise monitoring during daytime and nighttime including the nearest residents - Limits provided in Regulation on Assessment and Management of Environmental Noise.	Once for each year of operation	During the site visit, some villagers have complained about noise because of the nearest turbine. The PP has got an environmental noise assessment report prepared on 22/05/2015 and the noise levels are in line with the relevant legal regulation according to the report. If the villagers complain due to noise next year too, the noise assessment report will have to be prepared again and PP should receive opinion from the villagers living near the site. A FAR

No.	Indicator	Future target for chosen parameter	Way of monitoring (When)	Compliance check
				has been raised for this issue.
7	Biodiversity	Number of effected birds and bats - None	At the end of the first and second year of operation	Not applicable for this 4 th periodic verification
8	Biodiversity	Number of trees planted - None	At the end of the first and second year of operation	Not applicable for this 4 th periodic verification
9	Quality of Employment	Number of operation related trainings - All of the workers will be trained on environmental and health & safety issues.	First year of operation	Not applicable for this 4 th periodic verification
10	Livelihood of the poor	Payment of compensation to land owners and affected people without a land title - To be determined by buyer-seller agreements or independent evaluators	At the end of first year of operation	Not applicable for this 4 th periodic verification
11	Livelihood of the poor	Improved sanitation - Water pipes to be replaced by plastic ones	At the end of construction phase	Not applicable for this 4 th periodic verification
12	Human and institutional capacity	Support to education - Improved educational activities	At the end of construction phase	Not applicable for this 4 th periodic verification
13	Quantitative employment and income generation	Number of temporary and permanent jobs created for local people - Construction	Once during construction and once in first year of operation	Not applicable for this 4 th periodic verification

No.	Indicator	Future target for chosen parameter	Way of monitoring (When)	Compliance check
		workers and security guards to be employed from the neighboring town and the village		
14	Quantitative employment and income generation	Support to local economic activities - The shops and the pool will be re-organized	At the end of construction phase	Not applicable for this 4 th periodic verification
15	Technology transfer and technological self-reliance	Expenditures for imported equipment - 13 turbines exported from Germany	Once	Not applicable for this 4 th periodic verification

Based on site visit observations and provided documents DOE confirms that sustainability parameters are monitored in line with the Gold Standard Passport and Monitoring Plan.

4.7. Compliance with the Calibration Frequency Requirements for Measuring Instruments

During validation calibrated meters were installed as per the regulations. Although, re-calibration is required after ten years, nevertheless, in case of irregular difference between main and cross-check spare meter, TEİAŞ responsible are informed for intervention. TEİAŞ is responsible for calibration and maintenance of the devices. Last two metering tests were performed on 01/09/2014 and 13/08/2015 respectively. Last calibration was performed on 22.01.2015 for both meters.

All documents regarding meter quality and approvals/acceptance have been presented for the fourth verification.

All data collected as part of monitoring will be archived electronically by the project owner and be kept at least for 2 years after the end of the last crediting period.

4.8. Assessment of Data and Calculation of Emission Reductions

EPIAŞ records are presented to DOE for all months of the monitoring period. All data in emission reductions table are checked with EPIAŞ records.

DOE confirms that the data used for emission reductions are correct.

DOE confirms that the methods and formulae used for calculating baseline emissions are in line with the methodology and the registered PDD.

Emission factor and data and parameters available before validation are also applied in line with the PDD and baseline excel sheet for validation.

4.9. Quality of Evidence

According to the PDD the estimated annual emission reduction is 55,878 tCO₂e. However, the project in operation totally reached 48,648 tCO₂e in this period (2014: 34,508 tCO₂e, 2015: 14,140 tCO₂e). Calculations have been reproduced by DOE. Source data (EPİAŞ records) are presented by PP.

4.10. Management System and Quality Assurance

There were two meters attached to the power plant for measurement of the generated electricity which were installed to the plant. The meters used in the power house are in line with the EMRA requirements for electricity meters. Both these meters are bi-directional (meter the energy in two directions - consumption and production). The periodical check for the meters is 1 year as stated in the TEİAS System Usage Agreement. If there is a measuring difference between these two meters and one of the parties (TEİAS or the PP) requests for calibration of the meters, in this case, the meters will be calibrated without waiting for the periodical check. This calibration process is made by an accredited party under the control of TEİAS. The PP is not responsible for calibration of the meters in Turkey according to the local standards.

4.11. Materiality

Verification DOE checked all data set (EPİAŞ records from 01/04/2015 - 31/03/2016) and each day of production is included in these readings. These readings are exact and are the basis for billing. They are recorded and saved automatically by government authority. There is no base for any option of material information.

Level of materiality is ensured by application of "Guideline on the Application of Materiality in Verifications, v1). To guarantee this level of assurance all data that is used in the GHG emission reduction calculations have been reviewed without any sampling.

4.12. Verification of Sampling Plan

No sampling approach is used.

4.13. Post Registration Changes

4.13.1. Temporary deviations

N/A.

4.13.2. Corrections

N/A.

4.13.3. Changes to the start date of the crediting period

N/A.

4.13.4. Permanent changes

N/A.

4.13.5. Changes to the project design

N/A

5. LIST OF PERSONS INTERVIEWED

The list of people who were interviewed during the verification period is given in the Table 5-1 below:

Table 5-1: List of persons interviewed

Reference Number	Means of Interview ¹	Full Name	Title	Organization
I01	SV	Irem Büyükköse	Reporting Engineer	Enerjisa
I02	SV	Özgür Çelebi	Operation Engineer	Enerjisa
I03	SV	Ersin Kaymak	Process Support Technician	Enerjisa
I04	SV	Halil Gençel	Process Technician	Enerjisa
I05	SV	Recep Eken	Mukhtar	Mahmudiye Village
I06	SV	Hasan Düzel	Villager	Mahmudiye Village
I07	SV	Enver Demirel	Villager/Security Staff	Mahmudiye Village/ Euroserve Güvenlik

¹ SV: Site visit; T: Telephone; EM: E-mail

6. LIST OF DOCUMENTS REVIEWED

The list of the documents which were reviewed during the verification period is given in the Table 6-1 below:

Table 6-1: List of documents reviewed

Document Number	Document Name	Version	Date (dd/mm/yyyy)
D01	GS-VER PDD 'Canakkale WPP'	09	04/09/2012
D02	GS Passport 'Canakkale WPP'	09	-
D03	ACM0002	12.1	26/11/2010
D04	Verification Contract	-	-
D05	Monitoring Report	V01	12/04/2016
D06	CDM Validation and Verification Standard	09.0	20/05/2015
D07	CDM Project Standard	09.0	20/05/2015
D08	CDM Project Cycle Procedure	09.0	20/05/2015
D09	Gold Standard (GS) Toolkit	2.2	
D10	Final validation report of Germanischer Lloyd Certification GmbH (GLC), Report No. GS008	10	07/02/2012
D11	Third periodic verification report of TUV Rheinland	2.1	13/07/2015
D12	Emission reduction calculation sheet	1.0	12/04/2016
D13	Monthly Reading Protocols	-	01/04/2015 – 31/03/2016
D14	EMH Calibration Certificate	-	21/01/2014
D15	ELDAS Calibration Certificate	-	22/01/2015
D16	Meter test report	-	01/09/2014
D17	Meter test report	-	13/08/2015
D18	Training Certificates of Technicians	-	-
D19	Canakkale WPP Training List	-	-
D20	Canakkale social security records	-	-
D21	The Records of Donation and Aids	-	-
D22	Noise Monitoring Report	-	22/05/2015
D23	Septic tank discharge invoice	-	21/12/2015
D24	Hazardous Waste Declaration Form	-	2015
D25	Waste oil analysis and Declaration	-	24/02/2016
D26	Monitoring Report	V02	28/04/2016
D27	Monitoring Report	V03	28/04/2016
D28	Monitoring Report	V04	02/05/2016
D29	Monitoring Report	V05	03/05/2016
D30	Emission reduction calculation sheet	2.0	25/04/2016

Document Number	Document Name	Version	Date (dd/mm/yyyy)
D31	Emission reduction calculation sheet	3.0	03/05/2016

7. VERIFICATION TEAM AND ITR COMPETENCE

Sandeep KANDA holds a degree in Mechanical Engineering, Masters in Energy systems engineering from Indian Institute of Technology – Bombay and Post Graduate Diploma in Industrial Safety & Environmental Management from National Institute of Industrial Engineering in India. He has more than ten years of work experience with auditing and consultancy firms, seven years thereof with Designated Operational Entities under the CDM. He is experienced working on diversified areas of energy and environmental management, including policies, Clean Development Mechanism (CDM), Corporate Sustainability Reporting (CSR) Audits, energy audits, utility audits and product development. As CDM auditor and technical reviewer for TÜV Süd, he has audited more than 30 CDM projects as technical reviewer; 40 projects as lead auditor and 7 PoAs in various capacities; covering a broad range of sectoral scopes, such as Energy industries (renewable - / non-renewable sources), Energy distribution, Energy demand, Manufacturing industries, Chemical industries, Transport, Metal production, Waste handling & disposal and Agriculture. He has been working as a contracted team leader, technical reviewer, TA 1.1 and renewable energy expert in the context of re-consult.

Göknıl TÜFEKÖZDEMİR, B.Sc. in Environmental Engineering has completed her Bachelor degree in Uludağ University, Turkey. She has about 10 years of professional working experience in automotive and packaging sectors in the areas of environmental management, waste management, environmental impact assessment, environmental reports, monitoring of legal conformity, quality management systems, occupational health and safety and food safety management systems, auditing and training. She has been working as a validator/verifier in the context of re-consult.

Sukanta DAS, has done M. SC in Physics and M. Tech in Energy technology from Tezpur Central University in India. He is a certified lead auditor for ISO 14001 EMS LA. He has more than five years of work experience at TUV NoRD under various categories of projects stating from Renewable to waste to supercritical projects. He was JI/CDM Lead Assessor in TUV NoRD and was involved in more than 80 CDM validation and verifications activities and Gold Standard, VER projects as a team leader/technical reviewer / validator / verifier covering the sectoral scope 1 technical area 1.2. He has been working as a contracted team leader, technical reviewer and renewable energy expert in the context of re-consult.

7.1. Appointment Certificates

re-consult Rüsgen Enerji Danışmanlık İşletme Tic. Ltd. Şti. Bagrıç Plaza Muhsin Yazıcıoğlu Cad. 43/11 TR / 06520 Balgat-Ankara Tel.: 0300-312-267 61 22 Faks: 0300-312-267 33 73	Certificate of Appointment Carbon Department	 Page: 1/1
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This Certificate of Appointment is given to **Mr. Sandeep KANDA** as a confirmation of compliance with internal qualification requirements as follows:

Clean Development Mechanism				
Validator	Verifier	Team leader	Technical reviewer	Technical Expert
19-10-2015	19-10-2015	19-10-2015	19-10-2015	19-10-2015

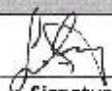
Verified Carbon Standard, Gold Standard, World Commission on Dams, Social Carbon				
Validator	Verifier	Team leader	Technical reviewer	Technical Expert
19-10-2015	19-10-2015	19-10-2015	19-10-2015	19-10-2015

Speciality	Regional expertise	Financial expertise	Technical area
N/A	1,2,4,8,10,11,12 and 18	19-10-2015	1.1, 1.2, 2.1, 3.1, 13.1 and 13.2

Within the scope and in strict accordance to the appointment indicated above, the bearer can:

1. Participate in the assessments conducted by Re-consult Ltd.
2. Take the roles within and outside of the assessment team
3. Bring specific expertise to the assessments

This Certificate of Appointment is valid unless there are changes in the related requirements for the qualification and appointment and/or the personnel's work agreement is terminated and there is no defined validity period for this Certificate. However, The Certificate may be updated, suspended or cancelled at any time, as a result of the performance assessments and/or other reasons as defined above.

APPOINTMENT IS GRANTED BY			
Mr. Anil SÖYLER	Certification Manager	19-10-2015	
Name	Position	Date	Signature

14-000000 / 0000000000 - 02

re-consult Rüzgar Enerjisi Danışmanlık İş ve Dış Tic. Ltd. Şti. Beğ's Plaza Muhtar Yazıcıoğlu Cad. 43/11 TR / 08520 Balgat-Ankara Tel: 0850-312-287 51 22 Fax: 0350-312-287 33 73	Certificate of Appointment Carbon Department	 Page: 1/1
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This Certificate of Appointment is given to **Ms. Göknıl Tüfeközdemir** as a confirmation of compliance with internal qualification requirements as follows:

Clean Development Mechanism				
Validator	Verifier	Team leader	Technical reviewer	Technical Expert
Trainee 12-04-2016	Trainee 12-04-2016	N/A	N/A	12-04-2016

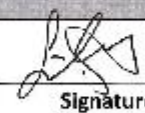
Verified Carbon Standard, Gold Standard, World Commission on Dams, Social Carbon				
Validator	Verifier	Team leader	Technical reviewer	Technical Expert
Trainee 12-04-2016	Trainee 12-04-2016	N/A	N/A	12-04-2016

Speciality	Regional expertise	Financial expertise	Technical area
N/A	6	N/A	1.2

Within the scope and in strict accordance to the appointment indicated above, the bearer can:

1. Participate in the assessments conducted by Re-consult Ltd.
2. Take the roles within and outside of the assessment team
3. Bring specific expertise to the assessments

This Certificate of Appointment is valid unless there are changes in the related requirements for the qualification and appointment and/or the personnel's work agreement is terminated and there is no defined validity period for this Certificate. However, The Certificate may be updated, suspended or cancelled at any time, as a result of the performance assessments and/or other reasons as defined above.

APPOINTMENT IS GRANTED BY			
Anıl SÖYLER	Certification Manager	12-04-2016	
Name	Position	Date	Signature

1-40008 / 16000000-02

re-consult Rüzgar Enerjisi Danışmanlık İç ve Dış Tic. Ltd. Şti. Bağış Pazarı Mustafa Yazıcıoğlu Cad. 43/11 TR - 06520 Balgat-Ankara Tel: 0090-312-287 51 22 Fax: 0090-312-287 33 73	Certificate of Appointment		
	Carbon Department	Page: 1/1	

This Certificate of Appointment is given to **Mr. Sukanta DAS** as a confirmation of compliance with internal qualification requirements as follows:

Clean Development Mechanism				
Validator	Verifier	Team leader	Technical reviewer	Technical Expert
15-10-2015	15-10-2015	15-10-2015	15-10-2015	15-10-2015

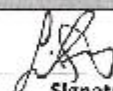
Verified Carbon Standard, Gold Standard, World Commission on Dams, Social Carbon				
Validator	Verifier	Team leader	Technical reviewer	Technical Expert
15-10-2015	15-10-2015	15-10-2015	15-10-2015	15-10-2015

Speciality	Regional expertise	Financial expertise	Technical area
N/A	10,15	N/A	1.1, 1.2 & 13.1

Within the scope and in strict accordance to the appointment indicated above, the bearer can:

1. Participate in the assessments conducted by Re-consult Ltd.
2. Take the roles within and outside of the assessment team
3. Bring specific expertise to the assessments

This Certificate of Appointment is valid unless there are changes in the related requirements for the qualification and appointment and/or the personnel's work agreement is terminated and there is no defined validity period for this Certificate. However, The Certificate may be updated, suspended or cancelled at any time, as a result of the performance assessments and/or other reasons as defined above.

APPOINTMENT IS GRANTED BY			
Mr. Anil SÖYLER	Certification Manager	15-10-2015	
Name	Position	Date	Signature

8. VERIFICATION AND CERTIFICATION OPINION

re-consult Ltd. has performed the 4th periodic verification of Gold Standard “Çanakkale Wind Power Plant” which is a project with the registry reference number “GS906” for the period between 01/04/2015 and 31/03/2016. The scope of the activities covers the verification and certification of GHG emissions reductions reported in Monitoring Report Version 05 dated 03/05/2016 of “Çanakkale Wind Power Plant”.

Enerjisa Enerji Üretim A.Ş. is responsible for the preparation of the GHG emissions data and the reported GHG emissions reductions of the project on the basis set out within the project Monitoring Plan indicated in the final PDD. The development and maintenance of records and reporting procedures in accordance with that plan, including the calculation and determination of GHG emission reductions from the project, is the responsibility of the management of the Project. The development and maintenance of the records and the related monitoring procedures are in accordance with the Monitoring Report Version 05.

The verification has been performed by a verification team consisting of “Sandeep Kanda as team leader, Göknıl Tüfeközdemir as trainee verifier and Sukanta Das as ITR”, and the project activity was checked against the applicable rules and regulations of CDM including Section I of CDM Modalities and Procedures, the relevant guidance and decisions of the COP/MOP, CDM EB and CDM Validation and Verification Standard version 9.0, CDM Project Standard version 9.0, CDM Project Cycle Procedure version 9.0 and GS Toolkit version 2.2.

re-consult Ltd. hereby confirms that the project activity “Çanakkale Wind Power Plant” in Turkey, is implemented in accordance with the validated and registered PDD version 09 dated 04/09/2012. The monitoring system is in place and the emission reductions are calculated without material misstatements as per the applied approved methodology, which is ACM0002 Version 12.1.0.

re-consult confirms the following based on the results of document review and on-site assessment:

Project Title	Çanakkale Wind Power Plant
Applicable Period	4th Monitoring Period (01/04/2015 to 31/03/2016 both days included)
Baseline Emissions	48,648 tCO ₂ e (2015: 34,508 tCO ₂ e, 2016: 14,140 tCO ₂ e)
Project Emissions	0 tCO ₂ e
Leakage Emissions	0 tCO ₂ e
Emission Reductions	48,648 tCO ₂ e (2015: 34,508 tCO ₂ e, 2016: 14,140 tCO ₂ e)



Sandeep KANDA
Team Leader
16/05/2016



Sukanta DAS
ITR
16/05/2016



Anil SOYLER
Certification Manager
16/05/2016

ANNEX 1: VERIFICATION PROTOCOL

Table 1 – CDM Monitoring Report (MR) Form Requirements

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
Cover Page					
1. Has the following information been provided on the cover page of the MR?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
1.1. Title of the project activity;	CDM-MR-FORM version 5.1	DR	Title indicated as – ‘Çanakkale Wind Power Plant’, as in the registered PDD and validation report.	OK	OK
1.2. Reference number of the project activity;	CDM-MR-FORM version 5.1	DR	Reference no. is GS906	OK	OK
1.3. Version number of the monitoring report;	CDM-MR-FORM version 5.1	DR	V0 for the first submission. V5 for the final submission	OK	OK
1.4. Completion date of the monitoring report (DD/MM/YYYY);	CDM-MR-FORM version 5.1	DR	12/04/2016 is the date indicated for first submission. 03/05/2016 is the date indicated for final submission.	OK	OK
1.5. Registration date of the project activity (DD/MM/YYYY);	CDM-MR-FORM version 5.1	DR	N/A	OK	OK
1.6. Monitoring period number and duration of this monitoring period (first and last days included (DD/MM/YYYY– DD/MM/YYYY));	CDM-MR-FORM version 5.1	DR	Fourth monitoring period covering 01/04/2015 - 31/03/2016 (both days included).	OK	OK
1.7. Project participant(s);	CDM-MR-FORM version 5.1	DR	Enerjisa Enerji Üretim A.Ş.	OK	OK
1.8. Host Party(ies);	CDM-MR-FORM version 5.1	DR	Turkey	OK	OK

*DR= Document Review, I= Interview, SV= Site Visit

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
1.9. Sectoral scope and selected methodology(ies), and where applicable, applied standardized baseline(s);	CDM-MR-FORM version 5.1	DR	Energy industries, ACM0002 "Consolidated baseline methodology for grid-connected electricity generation from renewable sources", version 12.1.0	OK	OK
1.10. Estimated amount of GHG emission reductions or net anthropogenic GHG removals by sinks for this monitoring period in the registered PDD;	CDM-MR-FORM version 5.1	DR	The estimated amount of GHG emission reductions for this monitoring period in the registered PDD has been correctly presented.	OK	OK
1.11. Actual GHG emission reductions or net anthropogenic GHG removals by sinks achieved in this monitoring period;	CDM-MR-FORM version 5.1	DR	The emission reductions achieved during the 4th monitoring period in 2015 and 2016 are stated separately. The format of the CDM MR form has been slightly modified. However, this is acceptable as in the context of GS-VER project the distinction of emission reductions achieved before and after 31 December 2012 is not relevant.	OK	OK
1.12. If the monitoring period starts before 31 December 2012 and ends anytime thereafter, actual GHG emission reductions or net anthropogenic GHG removals by sinks achieved during the period up to 31 December 2012;	CDM-MR-FORM version 5.1	DR	N.A.	OK	OK
1.13. If the monitoring period starts before 31 December 2012 and ends anytime thereafter, actual GHG emission reductions or net anthropogenic GHG removals by sinks achieved during the period from 1 January 2013 onwards.	CDM-MR-FORM version 5.1	DR	N.A.	OK	OK
General Requirements					

*DR= Document Review, I= Interview, SV= Site Visit

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
2. Has the following requirements been followed for the completion of MR?	CDM-MR-FORM version 5.1	DR			
2.1. Completing the CDM-MR-FORM and all attached documents in English or containing a full translation of relevant sections in English	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
2.2. Completing the CDM-MR-FORM using the same format without modifying its font, headings or logo	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
2.3. Completing the CDM-MR-FORM without any other alteration	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
2.4. Completing the CDM-MR-FORM by deleting the Attachment of "Instructions for filling out the monitoring report form"	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
2.5. Not modifying or deleting tables and their columns in the CDM-MR-FORM	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
A. Description of the Project Activity					
A.1. Purpose and general description of the project activity					
A.1.1. Has a brief summary of the detailed description given in the section B.1 provided under section A.1 of the MR?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
A.1.2. Has the purpose of the project activity and the measures taken to reduce greenhouse gas emissions been provided under section A.1 of the MR?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK

*DR= Document Review, I= Interview, SV= Site Visit

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
A.1.3. Has a brief description of the installed technology and equipments been provided under section A.1 of the MR?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
A.1.4. Has the relevant dates for the project activity (e.g. construction, commissioning, continued operation periods, etc.) been provided under section A.1 of the MR?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
A.1.5. Has the total emissions reductions achieved in this monitoring period been provided under section A.1 of the MR?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
A.2. Location of the project activity					
A.2.1. Has complete information on the location of the project activity, including town, city, country and GPS coordinates been provided under section A.2 of the MR?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
A.3. Parties and project participant(s)					
A.3.1. Has the list of the Parties and PPs been provided under section A.3 of the MR?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
A.4. Reference of applied methodology and standardized baseline					
A.4.1. Has a complete reference of the methodology or standardized baseline(s), tools and other methodologies to which the applied methodology(ies) applied	CDM-MR-FORM version 5.1	DR	Yes	OK	OK

*DR= Document Review, I= Interview, SV= Site Visit

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
been provided under section A.4 including the version numbers and titles?					
A.5. Crediting period of project activity					
A.5.1. Has the crediting period including the crediting period start date, choice and length of the crediting period been provided under section A.5 of the MR?	CDM-MR-FORM version 5.1	DR	The crediting period indicated in the submitted monitoring report is 11.02.2011 – 10.02.2018. This is consistent with the previous verification report.	OK	OK
A.6. Contact information of responsible persons/entities					
A.6.1. Is the contact information of the person(s)/ entity(ies) responsible for completing the CDM-MR-FORM been provided under section A.6 of the MR?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
B. Implementation of the Project Activity					
B.1. Description of implemented registered project activity					
B.1.1. Has the installed technology(ies), technical process and equipment, including the diagrams, where appropriate, been included in section B.1 of the MR?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
B.1.2. Has the information on the implementation and actual operation of the project activity (including relevant dates, construction, commissioning,	EB82 Report Annex 13 §244b	DR	Yes	OK	OK

*DR= Document Review, I= Interview, SV= Site Visit

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
continued operation periods etc.) been provided under section B.1 of the MR?					
B.1.3. If the project activity consists of more than one site, has the status of implementation and starting date of operation for each site been clearly described under section B.1 of the MR?	EB82 Report Annex 13 §244b	DR	The project consists of only one site.	OK	OK
B.1.4. If the implementation of the project activity planned to be realized in different phases, has the progress of the proposed CDM project activity achieved in each phase been indicated under section B.1 of the MR?	EB82 Report Annex 13 §244b	DR	The start dates of operation of wind-turbines has been provided.	OK	OK
B.1.5. Has a brief description of the events or situations that occurred during the monitoring period, which may affect the applicability of the methodology and, where applicable, the applied standardized baseline, been provided under section B.1 of the MR?	EB82 Report Annex 13 §244c	DR	N/A	OK	OK
B.1.6. Has a brief description of how the issues resulting from these events or situations are being addressed been provided under section B.1 of the MR?	EB82 Report Annex 13 §244c	DR	N/A	OK	OK
B.1.7. Do the actual project activity and its operation comply with the registered PDD?	EB82 Report Annex 14 §383a	DR	Yes	OK	OK
B.1.8. Have the PPs implemented and operated the CDM project activity as per the descriptions contained in the registered PDD?	EB82 Report Annex 14 §383a	DR	Yes	OK	OK

*DR= Document Review, I= Interview, SV= Site Visit

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
B.2. Post registration changes					
B.2.1. Temporary deviations from registered monitoring plan, applied methodology or applied standardized baseline					
B.2.1.1. Is it indicated whether any temporary deviations have been applied during this monitoring period?	EB82 Report Annex 13 §272 EB82 Report Annex 14 §298 CDM-MR-FORM version 5.1	DR	N/A	OK	OK
B.2.1.2. If there are temporary deviations from the registered monitoring plan or applied methodology or standardized baseline, have PPs described the nature, extent and duration of the non-conforming monitoring and the proposed alternative monitoring of the project activity in the MR?	EB82 Report Annex 13 §272 CDM-MR-FORM version 5.1	DR	N/A	OK	OK
B.2.1.3. If there are temporary deviations from the registered monitoring plan or applied methodology or standardized baseline, do the description of deviations include the following?	CDM-MR-FORM version 5.1	DR	N/A	OK	OK
B.2.1.3.1. How it deviates from the monitoring plan and/or	CDM-MR-FORM version	DR	N/A	OK	OK

*DR= Document Review, I= Interview, SV= Site Visit

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
applied methodology(ies),	5.1				
B.2.1.3.2. The duration for which the deviation(s) is(are) applicable	CDM-MR-FORM version 5.1	DR	N/A	OK	OK
B.2.1.3.3. Justification on the conservativeness of the approach.	CDM-MR-FORM version 5.1	DR	N/A	OK	OK
B.2.1.4. If there are temporary deviations from the registered monitoring plan or applied methodology or standardized baseline, have PPs applied conservative assumptions or discount factors to the calculations to the extent required to ensure that GHG emission reductions will not be over-estimated as a result of the deviation?	EB82 Report Annex 13 §274 EB82 Report Annex 14 §300	DR	N/A	OK	OK
B.2.1.5. If there are temporary deviations from the registered monitoring plan and/or monitoring methodology or standardized baseline, is the deviation likely to lead to a reduction in the accuracy of the calculation of emission reductions?	EB82 Report Annex 14 §300	DR	N/A	OK	OK
B.2.1.6. If the deviation(s) require prior approval by the Board, do they include the date of approval and reference number?	CDM-MR-FORM version 5.1	DR	N/A	OK	OK
B.2.1.7. Where the changes are identified by or submitted to the re-consult to	EB82 Report Annex 14	DR	N/A	OK	OK

*DR= Document Review, I= Interview, SV= Site Visit

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
conduct the verification, are these changes solely of a type(s) listed in Appendix 1 of the Project Standard?	§299				
B.2.2. Corrections					
B.2.2.1. Is it indicated whether any corrections to project information or parameters fixed at validation have been approved during this monitoring period or submitted with this monitoring report?	CDM-MR-FORM version 5.1 EB82 Report Annex 14 §303	DR	N/A	OK	OK
B.2.2.2. If the correction(s) and the revised PDD are approved prior to the submission of this monitoring report for request for issuance, are the approval date and reference number provided?	CDM-MR-FORM version 5.1	DR	N/A	OK	OK
B.2.2.3. If the correction(s) and the revised PDD aren't approved prior to the submission of this monitoring report for request for issuance, are the version number and the completion date of the revised PDD provided?	CDM-MR-FORM version 5.1	DR	N/A	OK	OK
B.2.2.4. Is the corrected information an accurate reflection of actual project	EB82 Report Annex 14 §304a	DR	N/A	OK	OK

*DR= Document Review, I= Interview, SV= Site Visit

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
information?					
B.2.2.5. Are the corrected parameters in accordance with the applied methodology, selected monitoring plan and/or the applied standardized baseline?	EB82 Report Annex 14 §304b	DR	N/A	OK	OK
B.2.3. Permanent changes from registered monitoring plan, applied methodology or applied standardized baseline					
B.2.3.1. Is it indicated whether any permanent changes from the registered monitoring plan or applied methodologies or standardized baseline had been approved during this monitoring period or submitted with this monitoring report?	CDM-MR-FORM version 5.1 EB82 Report Annex 14 §312	DR	N/A	OK	OK
B.2.3.2. Are the changes to the monitoring plan contained in the registered PDD in compliance with the applied methodology and, where applicable, the applied standardized baseline?	EB82 Report Annex 14 §313	DR	N/A	OK	OK
B.2.3.3. Do the changes reduce the level of accuracy of the monitoring compared with the requirements contained in the registered monitoring plan?	EB82 Report Annex 14 §313	DR	N/A	OK	OK
B.2.3.4. In cases where the proposed changes refer to a later version of	EB82 Report Annex 14 §314	DR	N/A	OK	OK

*DR= Document Review, I= Interview, SV= Site Visit

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
the applied methodology and/or the applied standardized baseline in the registered PDD, does the application of any later version of the applied methodology and tools and/or the applied standardized baseline affect the conservativeness of the monitoring and verification process, including the related emission reduction calculations?					
B.2.3.5. If the permanent changes are likely to lead to a reduction in the accuracy of the calculation of emission reductions, do the PPs apply conservative assumptions or discount factors to the calculations to the extent required to ensure that emission reductions will not be over-estimated as a result of the permanent change?	EB82 Report Annex 14 §315	DR	N/A	OK	OK
B.2.3.6. If the parameter is used for calculating baseline GHG emissions, is the difference between the accuracy level of the installed monitoring equipment and the accuracy prescribed by the applied methodology, where applicable, the applied standardized baseline and/or the registered monitoring plan deducted from the measured value?	EB82 Report Annex 13 Appendix I §4	DR	N/A	OK	OK

*DR= Document Review, I= Interview, SV= Site Visit

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
B.2.3.7. If the parameter is used for calculating project GHG emissions, is the difference between the accuracy level of the installed monitoring equipment and the accuracy prescribed by the applied methodology, where applicable, the applied standardized baseline and/or the registered monitoring plan added to the measured value?	EB82 Report Annex 13 Appendix I §4	DR	N/A	OK	OK
B.2.3.8. If the permanent changes and the revised PDD are approved prior to the submission of this monitoring report for request for issuance, are the approval date and reference number provided?	CDM-MR-FORM version 5.1	DR	N/A	OK	OK
B.2.3.9. If permanent changes and the revised PDD aren't approved prior to the submission of this monitoring report for request for issuance, are the version number and the completion date of the revised PDD provided?	CDM-MR-FORM version 5.1	DR	N/A	OK	OK
B.2.4. Changes to project design of registered project activity					
B.2.4.1. Are there proposed or actual changes to the project design of a registered project activity?	EB82 Report Annex 14 §317	DR	N/A	OK	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
B.2.4.2. Do the proposed or actual changes affect the implementation of the project activity?	EB82 Report Annex 14 §323a	DR	N/A	OK	OK
B.2.4.3. In case of actual changes, does the description of actual changes accurately reflect the implementation, operation and monitoring of the modified project activity?	EB82 Report Annex 14 §318	DR	N/A	OK	OK
B.2.4.4. Do the actual changes comply with the monitoring plan, the applied monitoring methodology and tools and/or, where applicable, the applied standardized baseline, and/or the level of accuracy of the monitoring activity?	EB82 Report Annex 14 §319	DR	N/A	OK	OK
B.2.4.5. Does the revised PDD comply with the applied monitoring methodology and tools and/or standardized baseline or any later version of the methodology and/or standardized baseline or the requirements of another methodology and/or the standardized baseline that is applicable to the project activity?	EB82 Report Annex 14 §324	DR	N/A	OK	OK
B.2.4.6. Does the changes to project activity include the following?	EB82 Report Annex 13 §289	DR	N/A	OK	OK
B.2.4.6.1. Changes in the effective output capacity due to increased installed capacity	EB82 Report Annex 13 §289a	DR	N/A	OK	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
or increased number of units, or installation of units with lower capacity or units with a technology which is less advanced than that described in the PDD?					
B.2.4.6.2. Addition of component or extension of technology has been occurred?	EB82 Report Annex 13 §289b	DR	N/A	OK	OK
B.2.4.6.3. Removal or addition of one (or more) site of a project activity registered with multiple-sites?	EB82 Report Annex 13 §289c	DR	N/A	OK	OK
B.2.4.6.4. Actual operational parameters which are within the control of project participants differing from the expected parameters?	EB82 Report Annex 13 §289d	DR	N/A	OK	OK
B.2.4.6.5. Any consequential changes to the baseline methodology, including changing or adding another baseline methodology or applying a baseline scenario that is more appropriate as a result of the proposed or actual modifications to the project activity?	EB82 Report Annex 13 §289e	DR	N/A	OK	OK
B.2.4.7. Do the PPs report in the revised PDD the impacts of the proposed or actual changes to the registered project activity on the following:	EB82 Report Annex 13 §292	DR	N/A	OK	OK
B.2.4.7.1. The applicability and application of the applied	EB82 Report Annex 13	DR	N/A	OK	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
methodology and, where applicable, the applied standardized baseline under which the project activity has been registered;	§292a EB82 Report Annex 14 §320c				
B.2.4.7.2. Compliance of the monitoring plan with the applied methodology and, where applicable, the applied standardized baseline;	EB82 Report Annex 13 §292b EB82 Report Annex 14 §320d	DR	N/A	OK	OK
B.2.4.7.3. The level of accuracy and completeness in the monitoring of the project activity;	EB82 Report Annex 13 §292c	DR	N/A	OK	OK
B.2.4.7.4. The additionality of the project activity;	EB82 Report Annex 13 §292d EB82 Report Annex 14 §320a	DR	N/A	OK	OK
B.2.4.7.5. The scale of the project activity.	EB82 Report Annex 13 §292e EB82 Report Annex 14 §320b	DR	N/A	OK	OK
B.2.4.8. If the proposed or actual changes affect the additionality of the registered project activity,	EB82 Report Annex 13 §292d	DR	N/A	OK	OK
B.2.4.8.1. In the case of investment analysis, have PPs modified the key parameters in the	EB82 Report Annex 14 §321a EB82 Report	DR	N/A	OK	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
original spreadsheet calculations affected by the proposed or actual modifications to the project activity?	Annex 13 §294a				
B.2.4.8.2. In cases where only barriers have been claimed to demonstrate additionality, have PPs demonstrated that the barriers are still valid under the new circumstances?	EB82 Report Annex 14 §321b EB82 Report Annex 13 §294b	DR	N/A	OK	OK
B.2.4.9. If the PPs can't demonstrate compliance with the requirements of the applied methodology and, where applicable, the applied standardized baseline under which the project activity has been registered,	EB82 Report Annex 13 §296	DR	N/A	OK	OK
B.2.4.9.1. Has PPs revised the PDD applying the latest version of the methodology and, where applicable, the applied standardized baseline?	EB82 Report Annex 13 §296a-i	DR	N/A	OK	OK
B.2.4.9.2. If another methodology and, where applicable, the applied standardized baseline is applied to the project activity, has PPs demonstrated compliance with the requirements of the	EB82 Report Annex 13 §296b EB82 Report Annex 14 §323c-ii	DR	N/A	OK	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
selected methodology and/or the selected standardized baseline?					
B.2.4.10. Is it indicated whether any changes to the project design of the project activity from the registered monitoring plan or applied methodologies had been approved during this monitoring period or submitted with this monitoring report?	CDM-MR-FORM version 5.1	DR	N/A	OK	OK
B.2.4.11. If the changes and the revised PDD are approved prior to the submission of this monitoring report for request for issuance, are the approval date and reference number provided?	CDM-MR-FORM version 5.1	DR	N/A	OK	OK
B.2.4.12. If the changes and the revised PDD aren't approved prior to the submission of this monitoring report for request for issuance, are the version number and the completion date of the revised PDD provided?	CDM-MR-FORM version 5.1	DR	N/A	OK	OK
B.2.5. Changes to start date of crediting period					
B.2.5.1. Is it indicated whether any changes to the start date of the	EB82 Report Annex 14 §306	DR	N/A	OK	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
• crediting period had been approved during this monitoring period or submitted with this monitoring report?	EB82 Report Annex 13 §277 §278 §280				
B.2.5.2. Have the changes been notified to the Secretariat by the PPs?	EB82 Report Annex 13 §279	DR	N/A	OK	OK
B.2.5.3. If where the changes and the revised PDD are approved prior to the submission of this monitoring report for request for issuance, are the approval date and reference number provided?	CDM-MR-FORM version 5.1	DR	N/A	OK	OK
C. Description of the Monitoring System					
C.1. Has a description of the monitoring system been provided under section C of the MR?	CDM-MR-FORM version 5.1 EB82 Report Annex 13 §246	DR	Yes	OK	OK
C.2. Has information about the data collection procedures, including following been provided under section C of the MR?	CDM-MR-FORM version 5.1 EB82 Report Annex 13 §246	DR	Yes	OK	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
C.2.1. Information flow including data generation	CDM-MR-FORM version 5.1 EB82 Report Annex 13 §246	DR	Yes	OK	OK
C.2.2. Data aggregation	CDM-MR-FORM version 5.1 EB82 Report Annex 13 §246	DR	Yes	OK	OK
C.2.3. Data recording	CDM-MR-FORM version 5.1 EB82 Report Annex 13 §246	DR	Yes	OK	OK
C.2.4. Data calculation	CDM-MR-FORM version 5.1 EB82 Report Annex 13 §246	DR	Yes	OK	OK
C.2.5. Data reporting	CDM-MR-FORM version 5.1 EB82 Report Annex 13 §246	DR	Yes	OK	OK
C.3. Has organizational structure, roles and	CDM-MR-	DR	Yes	OK	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
responsibilities of personnel, and emergency procedures for the monitoring system been provided under section C of the MR?	FORM version 5.1 EB82 Report Annex 13 §246				
C.4. Regarding to the management and operational system, are the responsibilities and authorities for monitoring and reporting in accordance with the responsibilities and authorities stated in the monitoring plan?	EB82 Report Annex 14 §390b-iv	DR	Yes	OK	OK
C.5. Have quality assurance and quality control procedures been applied in accordance with the monitoring plan?	EB82 Report Annex 14 §390e	DR	Yes	OK	OK
C.6. Has line diagram(s) showing all relevant monitoring points been provided under section C of the MR?	CDM-MR-FORM version 5.1 EB82 Report Annex 13 §246	DR	Yes	OK	OK
C.7. Have the monitoring plan been properly implemented and followed by the PPs?	EB82 Report Annex 14 §389	DR	Yes	OK	OK
C.8. Has the monitoring of parameters (baseline / project / leakage / emission reduction) in the project activity been implemented in accordance with the monitoring plan contained in the registered PDD or any accepted revised monitoring plan?	EB82 Report Annex 14 §390b-(i)-(ii)-(iii)	DR	Yes	OK	OK
C.9. Have all parameters stated in the monitoring plan, the applied methodology and relevant CDM EB decisions been sufficiently monitored and updated as applicable?	EB82 Report Annex 14 §390	DR	Yes	OK	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
C.10. Are monitoring results consistently recorded and stored as per the approved frequency?	EB82 Report Annex 14 §390d	DR	Yes	OK	OK
D. Data and Parameters					
D.1. Data and parameters fixed ex ante or at renewal of crediting period					
D.1.1. Has all the data that is determined only once for the crediting period but are used after registration of the project, been listed under section D.1 using the tabular format?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
D.1.2. If all the data that is determined only once for the crediting period but are used after registration of the project, does the listed data include all the parameters used to calculate baseline, project and leakage emissions as well as other relevant parameters required by the approved methodology and the monitoring plan?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
D.1.3. In the data/parameter tables provided under section D.1 of the MR, for each data has the name of the data/parameters given in accordance with the registered PDD and the applied approved methodology?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
D.1.4. In the data/parameter tables provided	CDM-MR-FORM version	DR	Yes	OK	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
under section D.1 of the MR, for each data has the unit of the data/parameters given in accordance with the registered PDD and the applied approved methodology?	5.1				
D.1.5. In the data/parameter tables provided under section D.1 of the MR, for each data has the description of the data/parameters given in accordance with the registered PDD and the applied approved methodology?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
D.1.6. In the data/parameter tables provided under section D.1 of the MR, for each data has the source of the data/parameters given in accordance with the registered PDD and the applied approved methodology?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
D.1.7. In the data/parameter tables provided under section D.1 of the MR, for each data has the values applied of the data/parameters given in accordance with the registered PDD and the applied approved methodology?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
D.1.8. In the data/parameter tables provided under section D.1 of the MR, for each data has it been indicated what the data/parameters are used for (baseline/project /leakage emission calculations)?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
D.2. Data and parameters monitored					

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
D.2.1. Has all the data that are monitored been listed under section D.2 of the MR using the tabular format?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
D.2.2. In the data/parameter tables provided under section D.2 of the MR, for each data has the name of the data/parameters given in accordance with the registered PDD and the applied approved methodology?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
D.2.3. In the data/parameter tables provided under section D.2 of the MR, for each data has the unit of the data/parameters given in accordance with the registered PDD and the applied approved methodology?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
D.2.4. In the data/parameter tables provided under section D.2 of the MR, for each data has it been described how the data is monitored?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
D.2.5. In the data/parameter tables provided under section D.2 of the MR, for each data has the source of data been indicated (like logbooks, daily records, surveys, etc.)?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
D.2.6. In the data/parameter tables provided under section D.2 of the MR, for each data has the values of the monitoring parameter been indicated?	CDM-MR-FORM version 5.1	DR	The vintage break-up of the monitored parameter should be provided.	CAR1	OK
D.2.7. In the data/parameter tables provided under section D.2 of the MR, for each data has the QA/QC procedures being	CDM-MR-FORM version 5.1	DR	Yes	OK	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
applied been given?					
D.2.8. In the data/parameter tables provided under section D.2 of the MR, for each data has it been indicated what types of equipment are used to monitor each parameter, including following, if applicable as per the monitoring plan?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
D.2.8.1. Details on accuracy class	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
D.2.8.2. Calibration frequency	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
D.2.8.3. Serial number	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
D.2.8.4. Calibration date	CDM-MR-FORM version 5.1	DR	The MR indicates that latest metering test was performed on 13/08/2015. As this is between the monitoring period, the previous test and the validity should also be included.	CAR2	OK
D.2.8.5. Validity of the calibration	CDM-MR-FORM version 5.1	DR	Refer to above CAR	CAR2	OK
D.2.9. In the data/parameter tables provided under section D.2 of the MR, for each data has the measurement and recording frequency been indicated?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
D.2.10. Is the calibration frequency for measuring equipments specified in the monitoring methodology, guidance provided by the Board or in the monitoring plan?	EB82 Report Annex 14 §398	DR	Yes	OK	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
D.2.11. If the calibration frequency for measuring equipments isn't specified in the monitoring methodology, guidance provided by the Board or the monitoring plan, are the equipments calibrated either in accordance with the specifications of the local/national standards, or as per the manufacturer's specification?	EB82 Report Annex 14 §399	DR	Yes	OK	OK
D.2.12. If neither local/national standards nor the manufacturer's specification are available, have the international standards been used?	EB82 Report Annex 14 §399	DR	N/A	OK	OK
D.2.13. Is the calibration of the measuring equipments that have an impact on the claimed emission reductions conducted by the PPs at a frequency specified in the applied monitoring methodology and/or the monitoring plan?	EB82 Report Annex 14 §394	DR	N/A	OK	OK
D.2.14. Has the calibration been delayed and has the calibration been implemented after the monitoring period in consideration (i.e. the results of delayed calibration are available) for the certain monitoring period?	EB82 Report Annex 14 §395	DR	N/A	OK	OK
D.2.15. If the calibration is delayed and if the calibration is implemented after the monitoring period in consideration (i.e. the results of delayed calibration are available) for the certain monitoring period, are one of the following	EB82 Report Annex 14 §395	DR	N/A	OK	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
approaches adopted by the PPs for the calculation of emission reductions?					
D.2.15.1. Applying the maximum permissible error of the instrument to the measured values taken during the period between the scheduled date of calibration and the actual date of calibration, if the results of the delayed calibration do not show any errors in the measuring equipment, or if the error is smaller than the maximum permissible error; or	EB82 Report Annex 14 §395a	DR	N/A	OK	OK
D.2.15.2. Applying the error identified in the delayed calibration test, if the error is beyond the maximum permissible error of the measuring equipment.	EB82 Report Annex 14 §395b	DR	N/A	OK	OK
D.2.16. If calibration is delayed and if the calibration is implemented after the monitoring period in consideration (i.e. the results of delayed calibration are available) for the certain monitoring period, has the error been applied in following ways?	EB82 Report Annex 14 §396	DR	N/A	OK	OK
D.2.16.1. The adjusted measured values of the delayed calibration result in fewer claimed emission reductions?	EB82 Report Annex 14 §396a	DR	N/A	OK	OK
D.2.16.2. For all measured values taken during the period between the	EB82 Report Annex 14	DR	N/A	OK	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
scheduled date of calibration and the actual date of calibration?	§396b				
D.2.17. If the results of the delayed calibration aren't available, is there any plan to conduct the required calibration?	EB82 Report Annex 14 §397	DR	N/A	OK	OK
D.2.18. If the results of the delayed calibration aren't available, have Pss calculated the emission reductions conservatively?	EB82 Report Annex 14 §397	DR	N/A	OK	OK
D.2.19. If the results of the delayed calibration aren't available, have post registration requirements been followed by the PPs?	EB82 Report Annex 14 §398	DR	N/A	OK	OK
D.2.20. Have any information about appropriate emission factors, IPCC default values and any other reference values that have been used in the calculation of emission reductions been given in detail in the MR?	CDM-MR-FORM version 5.1	DR	N/A	OK	OK
D.2.21. If the data that are monitored been listed under section D.2 using the tabular format, does the listed data include all the parameters used to calculate baseline, project and leakage emissions as well as other relevant parameters required by the approved methodology and, where applicable, the applied standardized baseline and the monitoring plan?	CDM-MR-FORM version 5.1 EB82 Report Annex 13 §247	DR	Yes	OK	OK
D.2.22. Is a complete set of data available for the specified monitoring period?	EB82 Report Annex 14 §402a	DR	Yes	OK	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
D.3. Implementation of sampling plan					
D.3.1. If data and parameters monitored described in section D.2 of the MR are determined by a sampling approach, has the description on how PPs implemented the sampling for those data and parameters according to the sampling plan been provided?	CDM-MR-FORM version 5.1 EB74 Report Annex 6 EB75 Report Annex 8	DR	N/A	OK	OK
D.3.2. If data and parameters monitored described in section D.2 of the MR are determined by a sampling approach, has the following been included? (• •	CDM-MR-FORM version 5.1 EB74 Report Annex 6 §25 §26 §27	DR	N/A	OK	OK
D.3.2.1. Description of implemented sampling design;	CDM-MR-FORM version 5.1	DR	N/A	OK	OK
D.3.2.2. Collected data (electronic spreadsheets may be attached and referenced);	CDM-MR-FORM version 5.1	DR	N/A	OK	OK
D.3.2.3. Analysis of the collected data;	CDM-MR-FORM version 5.1	DR	N/A	OK	OK
D.3.2.4. Demonstration on whether the required confidence/precision has been met.	CDM-MR-FORM version 5.1	DR	N/A	OK	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
E. Calculation of Emission Reductions or GHG Removals by Sinks					
E.1. Calculation of baseline emissions or baseline net GHG removals by sinks					
E.1.1. Has all the formulae used to calculate the baseline emissions been provided under section E.1 of the MR?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
E.1.2. Has sample calculations for all formulae used and calculation of baseline emissions or baseline net GHG removals by sinks, applying actual values been provided under section E.1 of the MR?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
E.1.3. Has all electronic spreadsheets to present full calculations in the monitoring report been attached?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
E.1.4. Have any assumptions used in baseline emission calculations been justified?	EB82 Report Annex 14 §402d	DR	N/A	OK	OK
E.1.5. If applicable, are the appropriate emission factors used for the baseline emission calculations in line with the good guidance practices? (e.g. IPCC default values and other reference values)	EB82 Report Annex 14 §402e	DR	Yes	OK	OK
E.2. Calculation of project emissions or actual net GHG removals by sinks					

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
E.2.1. Has all the formulae used to calculate the project emissions been provided under section E.2 of the MR?	CDM-MR-FORM version 5.1	DR	N/A	OK	OK
E.2.2. Has sample calculations for all formulae used and calculation of project emissions or or actual net GHG removals by sinks, applying actual values been provided under section E.2 of the MR?	CDM-MR-FORM version 5.1	DR	N/A	OK	OK
E.2.3. Has all electronic spreadsheets to present full calculations in the monitoring report been attached?	CDM-MR-FORM version 5.1	DR	N/A	OK	OK
E.2.4. Have any assumptions used in project emission calculations been justified?	EB82 Report Annex 14 §402d	DR	N/A	OK	OK
E.2.5. If applicable, are the appropriate emission factors used for the project emission calculations in line with the good guidance practices? (e.g. IPCC default values and other reference values)	EB82 Report Annex 14 §402e	DR	N/A	OK	OK
E.3. Calculation of leakage					
E.3.1. Has all the formulae used to calculate the leakage emissions been provided under section E.3 of the MR?	CDM-MR-FORM version 5.1	DR	N/A	OK	OK
E.3.2. Has sample calculations for all formulae used and calculation of leakage emissions, applying actual values been	CDM-MR-FORM version 5.1	DR	N/A	OK	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
provided under section E.3 of the MR?					
E.3.3. Has all electronic spreadsheets to present full calculations in the monitoring report been attached?	CDM-MR-FORM version 5.1	DR	N/A	OK	OK
E.3.4. Have any assumptions used in leakage emission calculations been justified?	EB82 Report Annex 14 §402d	DR	N/A	OK	OK
E.3.5. If applicable, are the appropriate emission factors used for the leakage emission calculations in line with the good guidance practices? (e.g. IPCC default values and other reference values)	EB82 Report Annex 14 §402e	DR	N/A	OK	OK
E.4. Summary of calculation of emission reductions or net anthropogenic GHG removals by sinks					
E.4.1. Have the total baseline emissions or baseline net GHG removals by sinks during the monitoring period been given under section E.4 of the MR?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
E.4.2. Has the total project emissions or actual net GHG removals by sinks during the monitoring period been given under section E.4 of the MR?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
E.4.3. Has the total leakage emissions during the monitoring period been given under section E.4 of the MR?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
E.4.4. Have the total emission reductions or net anthropogenic GHG removals by sinks during the monitoring period been given under section E.4 of the MR?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
E.4.5. If there is material information that can cause overestimation of emission reductions or removals of the project activity, is this equal to higher than one of the following?	EB82 Report Annex 14 §362 §363 §366	DR	No	OK	OK
E.4.5.1. 0.5 per cent of the emission reductions or removals for project activities achieving a total emission reduction or removal of equal to or more than 500,000 tons of carbon dioxide equivalent per year?	EB82 Report Annex 14 §361a	DR	N/A	OK	OK
E.4.5.2. 1 per cent of the emission reductions or removals for project activities achieving a total emission reduction or removal between 300,000 and 500,000 tons of carbon dioxide equivalent per year?	EB82 Report Annex 14 §361b	DR	N/A	OK	OK
E.4.5.3. 2 per cent of the emission reductions or removals for large-scale project activities achieving a total emission reduction or removal of 300,000 tons of carbon dioxide equivalent per year or less?	EB82 Report Annex 14 §361c	DR	N/A	OK	OK
E.4.5.4. 5 per cent of the emission reductions or removals for small-	EB82 Report Annex 14	DR	N/A	OK	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
scale project activities other than project activities covered under E.4.6.5 below?	§361d				
E.4.5.5. 10 per cent of the emission reductions or removals for the microscale project activities?	EB82 Report Annex 14 §361e	DR	N/A	OK	OK
E.5. Comparison of actual emission reductions or net anthropogenic GHG removals by sinks with estimates in registered PDD					
E.5.1. Has a comparison of actual values of the GHG emission reductions or net anthropogenic GHG removal of the project activity achieved during the monitoring period with the estimations in the registered CDM-PDD been given under section E.5 of the MR?	CDM-MR-FORM version 5.1 EB82 Report Annex 13 §256	DR	Yes	OK	OK
E.5.2. If the comparison of actual values of the GHG emission reductions or net anthropogenic GHG removal of the project activity achieved during the monitoring period with the estimations in the registered CDM-PDD is given under section E.5 of the MR, has this comparison been given using the tabular format provided?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
E.6. Remarks on difference from estimated value in registered PDD					
E.6.1. Has an explanation of the cause of any increase in the actual emission reductions	CDM-MR-FORM version	DR	Yes	OK	OK

*DR= Document Review, I= Interview, SV= Site Visit

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
achieved during the current monitoring period (e.g. higher water availability, higher load plant factor, etc.), including all information (i.e. data and/or parameters) that is different from that stated in the registered CDM-PDD, been provided under section E.6 of the MR?	5.1				
E.7. Actual emission reductions or net anthropogenic GHG removals by sinks during the first commitment period and the period from 1 January 2013 onwards					
E.7.1. If the monitoring period starts before 31 December 2012 and ends anytime thereafter, has actual GHG emission reductions or net anthropogenic GHG removals by sinks achieved for the following two periods been provided under section E.7 of MR?	CDM-MR-FORM version 5.1 EB82 Report Annex 13 §254	DR	N/A	OK	OK
E.7.1.1. Up to 31 December 2012 (1st commitment period); and	CDM-MR-FORM version 5.1 EB82 Report Annex 13 §254a	DR	N/A	OK	OK
E.7.1.2. From 1 January 2013 onwards	CDM-MR-FORM version 5.1 EB82 Report Annex 13 §254a	DR	N/A	OK	OK

*DR= Document Review, I= Interview, SV= Site Visit

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
E.7.2. If the monitoring period starts before 31 December 2012 and ends anytime thereafter and the annual caps are applied in the GHG emission reduction or net anthropogenic GHG removal' calculations, has the annual caps been pro-rated to each period?	CDM-MR-FORM version 5.1 EB82 Report Annex 13 §254b	DR	N/A	OK	OK
F. Other Requirements					
F.1. Forward action requests (FARs) identified during validation and/or previous verification					
F.1.1. Is there any remaining FARs from the validation and/or previous verification activities?	EB82 Report Annex 14 §28 §379	DR	The previous verification report indicates 1 forward action request (FAR) which shall be verified during the current monitoring period, namely FAR1: Prior to the next periodic verification it should be further elaborated in more detail, what have been the reasons for the underperformance in comparison to the wind energy yield predictions, as besides of the above mentioned technical failure no other malfunction, resettlement, repair service or any other relevant event with effects on the availability of the wind farm has occurred within this monitoring period. The MR indicates the events which affected electricity generation at the wind park in the 4th monitoring period. Further information on the following events should be provided: • Due to turbine foundation retrofits, all turbines were stopped for 1365 hours in 2015 H1. • Annual maintenance activities were performed in 2015 H2.	CAR3	OK
F.1.2. If there any remaining FARs from the validation and/or previous verification activities, have the PPs addressed these FARs in the MR?	EB82 Report Annex 14 §28 §379	DR	Refer to CAR above	CAR3	OK

*DR= Document Review, I= Interview, SV= Site Visit

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
F.1.3. Has the FARs been resolved?	EB82 Report Annex 14 §28 §379 §376d	DR	Refer to CAR above	CAR3	OK
Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
Appendix-1 Contact information of project participants and responsible persons/ entities					
1. Is the contact information of PPs listed in Section A.3 of monitoring report provided in Appendix 1?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
2. Is the contact information of responsible person/entity for application of the selected methodology(ies) and, where applicable, the selected standardized baselines to the project activity provided in Appendix 1?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
3. Is it indicated whether the person(s)/ entity(ies) responsible for the application of the selected methodology(ies) and, where applicable, the selected standardized baseline(s) to the project activity is a PP?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK

*DR= Document Review, I= Interview, SV= Site Visit

Table 2 – Additional Gold Standard Requirements (In the Reference section, Gold Standard references are given by stating T for the Toolkit and R for the Requirements and the section number. All references given are from Gold Standard Toolkit Version 2.2 unless otherwise stated)

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
1. Has the host country implemented a cap on its GHG emissions, after the registration of the project activity?	T 1.2.2	DR	N/A	OK	OK
2. If the host country implemented a cap on its GHG emissions after the registration of the project activity, has a proof of retirement of an equal amount of allowances been submitted by the project owners?	T 1.2.7	DR	N/A	OK	OK
3. Has there been any grievances raised by the local stakeholders?	T 4.5	DR, SV	During the site visit, some villagers have complained about noise because of the nearest turbine. The PP has got an environmental noise assessment report prepared on 22/05/2015. If the villagers complain due to noise next year too, the noise assessment report will have to be prepared again and PP should receive opinion from the villagers living near the site.	FAR1	FAR1
4. If there are any grievances raised by the local stakeholders, has the PPs responded clearly to these comments?	T 4.5	SV	Refer to FAR above	FAR1	FAR1

*DR= Document Review, I= Interview, SV= Site Visit

Table 3 – Resolution of Corrective Action, Forward Action and Clarification Requests

Draft Report Clarifications, Forward Action and Corrective Action Requests By Verification Team	Ref. to Checklist Questions in Table-1 and Table-2	Summary of Project Participants' Response	Verification Team Conclusion
CAR-1 The vintage break-up of the monitored parameter should be provided.	D.2.6.	V1: Vintage break-up has been added to MR as 01/04/2015-31/12/2015: 56,983 MWh; 01/01/2016-31/03/2016: 23,274 MWh. V2: Decimal part has been included as: 80,256.4 MWh (01/04/2015-31/12/2015: 56,982.9 MWh; 01/01/2016-31/03/2016: 23,273.5 MWh)	Review-1 There is a difference of 1 MWh in the vintage and the total. Review-2 OK Closed
CAR-2 The MR indicates that latest metering test was performed on 13/08/2015. As this occurs in the monitoring period, the previous test and the validity should also be included.	D.2.8.4.	V1: Previous test report (dated 01/09/2014) and last 2 years' calibration certificates (2014 & 2015) have been added into project documentation. V2: Test and calibration report dates have been added into Monitoring Report.	Review-1 The monitoring report should include these test report dates. Review-2 OK Closed
CAR-3 The previous verification report indicates 1 forward action request (FAR) which shall be verified during the current monitoring period, namely FAR1: Prior to the next periodic verification it should be further elaborated in more detail, what have been the reasons for the underperformance in comparison to the wind energy yield predictions, as besides of the above mentioned technical failure no other malfunction, resettlement, repair service or any other relevant event with effects on the availability of the wind farm has occurred within this monitoring period.	F.1.1.	The foundation retrofits (done in May,2015) decreased the capacity factor by 1.2% for this monitoring period. Besides this, lower wind regime in the monitoring period (mainly in April, June and September,2015) decreased the overall capacity factor. For monthly capacity, please see "Equivalent Capacity Factor.xlsx" document.	Review-1 OK Closed

* CAR= Corrective Action Request, FAR= Forward Action Request, CL= Clarification Request

Draft Report Clarifications, Forward Action and Corrective Action Requests By Verification Team	Ref. to Checklist Questions in Table-1 and Table-2	Summary of Project Participants' Response	Verification Team Conclusion
The MR indicates the events which affected electricity generation at the wind park in the 4th monitoring period. Further information on the following events should be provided: • Due to turbine foundation retrofits, all turbines were stopped for 1365 hours in 2015 H1. • Annual maintenance activities were performed in 2015 H2.			
FAR-1 During the site visit, some villagers have complained about noise because of the nearest turbine. The PP has got an environmental noise assessment report prepared on 22/05/2015 and the noise levels are in line with the relevant legal regulation according to the report. If the villagers complain due to noise next year too, the noise assessment report will have to be prepared again and PP should receive opinion from the villagers living near the site.	3, 4	Complaints about noise caused by Turbine-13 are a lasting issue. Repeating the noise assessment will end up same result as under the allowed limits. However the issue has been raised to Enerjisa Social Management Team to assess the issue and if necessary take some actions especially for the villagers living closer to that turbine.	Review-1 FAR to be checked during next verification.