



RINA

GOLD STANDARD VERIFICATION/CERTIFICATION REPORT

Final

“Canakkale WPP”
in
Turkey

Monitoring period: 01/09/2012 to 30/09/2013

Report N° 2013-TQ-63-MD

Revision N° 1.1

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Project Title: Canakkale WPP	Country: Turkey	Estimated VERs (tCO₂e): 60,534								
GS Registration Reference N°: 906	Monitoring period: 01/09/2012 to 30/09/2013	Ce rtified VERs (tCO₂e): 53,896								
Client: Enerjisa Enerji Uretim A.S.	Client contact: Muge AFACAN									
Report No.: 2013-TQ-63-MD	Revision: 1.1	Date of this report: 15/11/2013								
Approved by (Final Report – Authorized office signing for the DOE):  Laura Severino		Date of approval: 19/11/2013								
Methodology										
Number: ACM0002	Version: 12.1 of 26/11/2010	Title: Consolidated baseline methodology for grid-connected electricity from renewable sources								
		Scale Large								
		SS(s): 1								
RINA Services S.p.A. (RINA), commissioned by Enerjisa Enerji Uretim A.S., has verified the greenhouse gas emission reductions reported for the project activity “Canakkale WPP” in Turkey, GS Registration Reference N° 906, for the period 01/09/2012 to 30/09/2013, with regard to the relevant requirements for GS activities. The verification shall ensure that reported emission reductions are complete and accurate in accordance with applicable GS VER requirements, which refer to CDM rules, in order to be certified. The project was validated by GL (validation report N° GS 008, ver. 10 of 13/09/2012) and it was registered on 03/08/2012 under the GS registration reference N° 906. The GHG emission reductions were calculated on the basis of the approved methodology ACM0002, version 12.1, “Consolidated baseline methodology for grid-connected electricity from renewable sources” of 26/11/2010 and the monitoring plan included in the registered Project Design Document, version 9 of 04/09/2012. In conclusion, it is RINA’s opinion that the project activity “Canakkale WPP”, in “Turkey, as described in the Monitoring Report version 1 of 06/11/2013, meets all relevant requirements for GS and CDM activities and all relevant host Party criteria and correctly applies the baseline and monitoring methodology “ACM0002”, “Consolidated baseline methodology for grid-connected electricity from renewable sources”, version 12.1.0 of 26/11/2010. Hence, RINA is able to certify that the emission reductions from the project during the monitoring period 01/09/2012 to 30/09/2013 amount to 53,896 tCO₂e. <table> <tr> <td>Baseline Emissions</td> <td>53,896 tCO₂e</td> </tr> <tr> <td>Project Emissions</td> <td>0 tCO₂e</td> </tr> <tr> <td>Leakage</td> <td>0 tCO₂e</td> </tr> <tr> <td>Net GHG emission reductions/removal</td> <td>53,896 tCO₂e</td> </tr> </table>			Baseline Emissions	53,896 tCO ₂ e	Project Emissions	0 tCO ₂ e	Leakage	0 tCO ₂ e	Net GHG emission reductions/removal	53,896 tCO ₂ e
Baseline Emissions	53,896 tCO ₂ e									
Project Emissions	0 tCO ₂ e									
Leakage	0 tCO ₂ e									
Net GHG emission reductions/removal	53,896 tCO ₂ e									

Work carried out by: Isil TIMUROGLU Tugce KIRATLI	☒ No distribution without permission from the Client or organizational unit responsible ☐ Strictly confidential ☐ Unrestricted distribution
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Work verified by (Final Report – Scheme Manager)  Rita Valoroso	Keywords: Climate Change, Kyoto Protocol, Verification, Gold Standard
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Abbreviations

BE	Baseline Emissions
CAR	Corrective Action Request
CDM	Clean Development Mechanism
CDM M&P	Modalities and Procedures CDM
CDM-PCP	Clean Development Mechanism Project Cycle Procedure
CDM-PS	Clean Development Mechanism Project Standard
CDM-VVS	Clean Development Mechanism Validation and Verification Standard
CER(s)	Certified Emission Reduction (s)
CH ₄	Methane
CR	Clarification Request
CO ₂	Carbon dioxide
CO ₂ e	Carbon dioxide equivalent
DNA	Designated National Authority
DOE	Designated Operational Entity
EB	Executive Board
ER	Emission Reductions
GHG(s)	Greenhouse gas(es)
GS	Gold Standard
GWP	Global Warming Potential
IPCC	Intergovernmental Panel on Climate Change
LSC	Large scale
MoV	Means of Verification
MP	Monitoring Plan
MR	Monitoring Report
NGO	Non-governmental Organization
ODA	Official Development Assistance
PDD	Project Design Document
PE	Project Emission
PMUM	Market Financial Conciliation Center (Piyasa Mali Uzlastirma Merkezi)
PP(s)	Project Participant(s)
Ref.	Document Reference
RINA	RINA Services Spa
SDI	Sustainable Development Indicator
SS(s)	Sectoral Scope(s)
SSC	Small Scale
TEIAS	Turkish Electricity Transmission Company (Türkiye Elektrik İletim A.Ş.)
UNFCCC	United Nations Framework Convention on Climate Change
VERs	Verified Emission Reduction(s)

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Appendix A: Gold Standard Verification Protocol

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1 INTRODUCTION

Enerjisa Enerji Uretim A.S. has commissioned RINA to carry out the verification and certification of emission reductions reported for the registered “Canakkale WPP” project in Turkey, GS Registration Reference N°906, for the period 01/09/2012 to 30/09/2013.

This report summarizes the findings of the verification of the project, performed on the basis of GS VER requirements, which refer to CDM rules, as well as criteria given to provide for consistent project operations, monitoring and reporting.

1.1 Objective

The objective of the verification is to have an independent review ex post determination by a Designated Operational Entity (DOE) of the monitored reductions in GHG emissions that have occurred as a result of the registered GS project activity during a defined monitoring period and to monitor the impact of project activity on sustainable development, throughout the monitoring of the non-neutral Sustainable Development Indicators and moreover to monitor all the mitigation and compensation measures put in place. Certification is the written assurance by the DOE that, during a specific time period, a proposed GS project activity achieved the reductions in anthropogenic emissions by sources of GHGs as verified and that all the defined Sustainable Development Indicators to be monitored have been monitored according to the sustainability monitoring plan and that all the mitigation measures forecast have been correctly and effectively implemented.

The objective of this verification/certification was to verify and certify emission reductions and effective implementation of the monitoring of sustainable development indicators and mitigation measures, reported for the “Canakkale WPP” project in Turkey for the period 01/09/2012 to 30/09/2013.

1.2 Scope

The verification scope is:

- to verify that actual monitoring systems and procedures are in compliance with the monitoring systems and procedures described in the monitoring plan;
- to evaluate the GHG emission reduction data and express a conclusion with a reasonable level of assurance about whether the reported GHG emission reduction data is free from material misstatement;
- to verify that reported GHG emission data is sufficiently supported by evidence;
- to evaluate whether all the mitigation measures have been effectively put in place according to the monitoring plan and that all the sustainable development indicators have been correctly monitored.

Verification shall ensure that reported emission reductions are complete and accurate in accordance with applicable GS VER requirements which refer to CDM rules, in order to be certified.

UNFCCC criteria for CDM refer to Article 12 of the Kyoto Protocol, the CDM modalities and procedures, and the subsequent decisions by the CDM Executive Board.

The GS criteria refer to GS requirements, GS Toolkit and supporting annexes.

Verification is not meant to provide any consultancy towards the project participants. However, stated requests for clarifications and/or corrective actions may have provided input for improvement of the monitoring.

2 METHODOLOGY

Verification was conducted using RINA procedures in line with the requirements specified in the GS Requirements, CDM M&P, the latest version of the CDM Validation and Verification Standard, and relevant decisions of the COP/MOP and the CDM EB and applying standard auditing techniques.

The verification consisted of the following three phases:

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- Desk review;
- On-site assessment;
- The resolution of outstanding issues and the issuance of the final verification report and certification.

The following sections outline each step in more detail.

2.1 Desk Review

The monitoring report version 1 of 06/11/2013 [/3/](#), the emission reduction calculations provided in the form of a spreadsheet “VER_2nd year_v1_06112013.xlsx” version 1 of 07/10/2013 [/9/](#), the approved baseline and monitoring methodology ACM0002 version 12.1 of 26/11/2010 [/7/](#) and all the documentation provided to support the monitoring period [/1 – 31/](#) were assessed as part of the verification. In addition, the Project Design Document (PDD) [/1/](#), in particular as regards the baseline estimations and the monitoring plan, the Passport version 9 of 03/10/2012 [/2/](#), the previous verification report revision 1.3 of 14/01/2013 [/18/](#) and the validation report revision 10 of 13/09/2012 [/8/](#) for the project, were reviewed.

The following table lists the documentation that was reviewed during the verification.

/1/	Enerjisa Enerji Uretim A.S.: GS-PDD for “Canakkale WPP” in Turkey, version 9 of 04/09/2012
/2/	Enerjisa Enerji Uretim A.S.: GS-Passport for “Canakkale WPP” in Turkey, version 9 of 03/10/2012
/3/	Enerjisa Enerji Uretim A.S.: Monitoring Report for “Canakkale WPP” in Turkey, version 1 of 06/11/2013 Enerjisa Enerji Uretim A.S.: Monitoring Report for “Canakkale WPP” in Turkey, version 0 of 08/10/2013
/4/	Gold Standard Foundation: Gold Standard Requirements, version 2.1 of 01/07/2009
/5/	Gold Standard Foundation: Gold Standard Toolkit, version 2.1 of 01/07/2009
/6/	CDM Executive Board: Clean Development Mechanism Validation and Verification Standard, version 05.0 of 04/10/2013
/7/	CDM Executive Board: Baseline and monitoring methodology “ACM0002”, “Consolidated baseline methodology for grid-connected electricity from renewable sources”, version 12.1 of 26/11/2010
/8/	GL: Validation Report for “Canakkale WPP” No. GS008, revision 10 of 13/09/2012
/9/	Enerjisa Enerji Uretim A.S.: Emission Reduction Calculation Spreadsheet “VER_2nd year verification_06112013.xlsx” version 1 of 06/11/2013 Enerjisa Enerji Uretim A.S.: Emission Reduction Calculation Spreadsheet “VER_2nd year verification_07102013.xlsx” version 0 of 07/10/2013
/10/	CDM Executive Board: Guideline for Completing the Monitoring Report Form, version 04.0 of 04/10/2013
/11/	CDM Executive Board: Methodological Tool “Tool to calculate the emission factor for an electricity system”, version 02.2.1 of 29/09/2011
/12/	CDM Executive Board: Monitoring Report Form (F-CDM-MR), version 03.1 of 02/01/2013
/13/	Turkish Electricity Transmission Company (TEIAS): Meters Periodic Test Report of 26/09/2013
/14/	Energy Market Regulatory Authority: Generation License numbered EU/1501-2/1088 of 21/02/2008 (last amendment on 18/04/2011)
/15/	The Gold Standard Foundation: Canakkale WPP (GS 906) 3-week Issuance Review Period Document of 31/12/2012

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/16/	The Ministry of Energy and Natural Resources: Temporary Acceptance Protocol of 11/02/2011 (for the first phase)
/17/	The Ministry of Energy and Natural Resources: Temporary Acceptance Protocol of 06/05/2011 (for the second phase)
/18/	Rina Services S.p.A.: Verification Report for “Canakkale WPP” in Turkey, Report No: 2012-BG-08-MD version 1.3 of 14/01/2013
/19/	Market Financial Conciliation Center (PMUM): All Monthly Electricity Screen Shots within the Monitoring Period (from 01/09/2012 to 31/08/2013)
/20/	Turkish Electricity Transmission Company (TEIAS): All Monthly Meter Reading Protocols within the Monitoring Period (from 01/09/2012 to 30/09/2013)
/21/	Golteks Petrol Kimya San ve Tic. Ltd. Sti.: National Waste Transportation Form for Hazardous Wastes of 17/06/2013
/22/	Enerjisa Enerji Uretim A.S.: Noise Measurement Form of 17/09/2013
/23/	Gold Standard Foundation: Canakkale WPP in Turkey (GS 906), 3-week Issuance Reviewed Period of 16/01/2013
/24/	Prof. Dr. Levent Turan: Enerjisa Canakkale WPP Bat-Bird monitoring Studies 2012-Autumn period Report, from January 2013
/25/	Prof. Dr. Levent Turan: Enerjisa Canakkale WPP Bat-Bird monitoring Studies 2012-Spring period Report, from June 2012
/26/	Aktifenerji: Back-up Electricity Meter Initial Calibration Protocol (Ser. N 35004263) of 03/08/2009
/27/	Actaris: Main Electricity Meter Initial Calibration Protocol (Ser. N 53035219) of 21/04/2009
/28/	The Ministry of Trade and Industry: Regulation of Metering and Testing of Metering Systems of 24/07/1994
/29/	Market Financial Settlement Center (PMUM): All Monthly Electricity Records from 01/09/2012 to 30/09/13
/30/	Website: http://www.mevzuat.gov.tr/Metin.Aspx?MevzuatKod=7.5.14012&MevzuatIliski=0&sourceXmlSearch= Argument: Assessment and Management of Environmental Noise Language: Turkish Retrieved on: 07/11/2013
/31/	Energy Market Regulatory Authority: Communiqué for Measurement Devices used in the Electricity Market of 22/03/2003

2.2 On-site assessment

On 24/10/2013, RINA visited Mahmutiye Town of Çanakkale Province in the Western part of Turkey. During the on-site assessment of the project, RINA assessed the implementation and operation of the proposed project activity, reviewed the information flows for generating, aggregating and reporting the monitoring parameters, interviewed key personnel of the plant to confirm the operational and data collection procedures, cross-checked between information provided in the monitoring report and data plant, checked the monitoring equipment including calibration performance, reviewed calculations and assumptions made in determining the GHG data and emission reductions, checked the quality control and quality assurance procedures in place to prevent or identify and correct any errors or omissions in the reported monitoring parameters, checked the correct and effective implementation of the mitigation measures foreseen in the sustainability monitoring plan, to prevent violation or the risk of violating a safeguarding principle of the “Do No Harm” Assessment or to “neutralize” a Sustainable Development Indicator.

The operation engineer was interviewed with the purpose to see how the monitoring procedures were implemented; the whole process was explained to the verification team during the site visit on 24/10/2013. During the site visit, the coffee house of Mahmutiye Village was visited. The stakeholders were interviewed about the

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benefits of the project Noise Emissions, Bird and Bat Migration, Tree cutting and no negative feedback were received. The carbon specialist has been interviewed about the monitoring report and related parameters on, which the whole process related emission reduction calculation and sustainability monitoring plan was explained.

The key personnel interviewed and the main topics of the interviews are summarized in the table below.

	Date	Name and Role	Organization	Topic
/a/	24/10/2013	Muge AFACAN <i>Commercial Specialist</i>	Enerjisa Enerji Uretim A.S.	Monitoring plan Monitoring methodology Monitoring data
/b/	24/10/2013	Sila KILIC <i>Carbon Specialist</i>	Enerjisa Enerji Uretim A.S.	Implementation status of the project Monitoring equipments and operation
/c/	24/10/2013	Korcan ALTUNDIS <i>Operation Engineer</i>	Enerjisa Enerji Uretim A.S.	Calibration certificates Emission Reductions calculation
/d/	24/10/2013	Ersin KAYMAK <i>Operation Support Technician</i>	Enerjisa Enerji Uretim A.S.	Monitoring of Gold Standard Parameters
/e/	24/10/2013	Sezai SERT <i>Villager</i>	Mahmudiye Village	Benefit of the project to the village
/f/	24/10/2013	Hamil SERT <i>Villager</i>	Mahmudiye Village	Noise Emissions Bird and Bat Migration
/g/	24/10/2013	Ferhat YOLDAS <i>Villager</i>	Mahmudiye Village	Tree cutting

2.3 Resolution of outstanding issues

The objective of this phase of the verification is to resolve any outstanding issues which need to be clarified for RINA's positive conclusion on the monitoring report and emission reductions.

To guarantee transparency a verification protocol has been customized for the project. The protocol shows in a transparent manner the requirements, means of verification and the results from verifying the identified criteria. The verification protocol consists of three tables; the different columns in these tables are described in the figure below (see Figure 1). The completed verification protocol is enclosed in Appendix A to this report.

A corrective action request (CAR) is raised if one of the following occurs:

- Non-conformities with the monitoring plan or methodology are found in 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.

A clarification request (CR) is raised if information is insufficient or not clear enough to determine whether the applicable GS VER requirements, which refer to CDM rules, have been met.

CARs, CRs identified are included in the verification protocol in Appendix A of this report.

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Figure 1 Gold Standard Verification protocol tables

Verification Protocol, Table 1 - Requirement checklist				
Checklist Question	Ref.	MoV	Comments	Conclusion
Checklist questions organized in five different sections.	Makes reference to documents where the answer to the checklist question or item is found.	Explain how conformance with the checklist question is investigated. Examples are document review (DR), interview or any other follow-up actions (I), cross checking (CC) with available information relating to projects, (N/A) means not applicable.	The discussion on how the conclusion is arrived at and the conclusion on the compliance with checklist question so far.	For CAR and CR see the definitions above. OK is used if the information and evidence provided is adequate to demonstrate compliance with GS VER/CDC requirements which refer to CDM rules.

Verification Protocol, Table 2: Resolution of Corrective Action Requests and Clarification			
Corrective action requests and/or clarification requests	Reference to Table 1	Response by project participants	Verification Conclusion
The CAR and/or CRs raised in table 1 are repeated here.	Reference to the checklist question number in Table 1 where the CAR or CR is explained.	The responses given by the project participants to address the CARs and/or CRs.	The verification team's assessment and final conclusion of the CARs and/or CRs.

Verification Protocol, Table 3 - Forward Action Requests		
Forward action request	Reference to Table 1	Response by project participants Verification Conclusion
The FAR raised in table 1 is repeated here.	Reference to the checklist question number in Table 1 where the FAR is explained.	Response by the project participants on how forward action request will be addressed.

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2.4 Internal quality control

All the revisions of the verification report, before being submitted to the client, were subjected to an independent internal technical review to confirm that all verification activities had been completed according to the pertinent RINA instructions.

The technical review was performed by a technical reviewer(s) qualified in accordance with RINA's qualification scheme for CDM/GS validation and verification.

2.5 Verification team and the technical reviewer(s)

The verification team and the technical reviewers consist of the following personnel:

Role/Qualification	Last Name	First Name	Type of involvement*					
			DR	SV	REP	TE	TR	TER
Team Leader	Timuroglu	Isil	X	X	X	X	-	-
GS Verifier	Timuroglu	Isil	X	X	X	X	-	-
Technical Expert (TA 1.2)	Timuroglu	Isil	X	X	X	X	-	-
GS Verifier	Kiratli	Tugce	X	X	X	X	-	-
Technical Expert (TA 1.2)	Kiratli	Tugce	X	X	X	X	-	-
Team Leader in Training	Kiratli	Tugce	X	X	X	X	-	-
Technical Reviewer	Menon	Rekha					X	X

*DR: Document Review; SV: Site Visit/Interview; REP: Reporting; TE: Technical Expert in Technical Area; TR: Technical Review; TER: Technical Expert in Technical Area for Technical Review

3 VERIFICATION FINDINGS

The findings of the verification related to the monitoring period from 01/09/2012 to 30/09/2013 as documented and described in the monitoring report version 1 of 06/11/2013 [/3/](#) are stated in the following sections.

The verification requirements, the means of verification and the results from verifying the identified criteria are documented in more detail in the verification protocol in Appendix A.

3.1 Description of the project activity

The main information of the project is summarized in the table below.

Project Participant(s)	Enerjisa Enerji Uretim A.S.
Project Title	Canakkale WPP
Location of the project	Located between Uvecik Village and Mahmudiye Town, Canakkale province of Turkey
Methodology(ies)	ACM0002, "Consolidated baseline methodology for grid-connected electricity from renewable sources", version 12.1 of 26/11/2010 /7/

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Sectoral Scope(s)	1	RINA's Area(s)	Technical	1.2
Registered PDD	Revision 9 of 04/09/2012 /1/			
Date of registration	03/08/2012	GS Reference N°	Registration	906
Starting date of the crediting period	11/02/2011 (as confirmed through the previous verification report /18/)			
Project's crediting period	11/02/2011 to 10/02/2018			
Monitoring period	01/09/2012 to 30/09/2013 (both days are included)			
Project documentation link	http://mer.markit.com/br-reg/public/project.jsp?project_id=103000000002023			

The project activity is a wind power plant consists of 13 Siemens SWT 101 wind turbines, each with a 2.3 MW capacity making the total installed capacity of 29.9 MW. The generated electricity is fed to the national grid. The estimated net electricity production is 91,570 MWh/year and the annual emission reductions are estimated to be 55,878 tCO₂e per year (4,656 tCO₂e per month).

The project activity aims to reduce the greenhouse gas emissions in Turkey by replacing fossil fuel power generation and contribute to the development of the wind energy sector in Turkey, as well as aims to support the local economy by creating local employment and providing equipment locally.

3.2 Remaining issues (FARs) from previous validation or verification

Based on the review of the previous Verification Report and Gold Standard Foundation, 2 FARs was raised during the 1st monitoring verification report. All FARs have been successfully closed.

FAR#1: For Indicator Biodiversity (number of trees planted) the conducted compensations covered 2011 and 2012, as required in approved GS Passport, should be verified during the next verification phase.

During on site visit performed on 24/10/2013, it was confirmed through the site observation that more than 250 trees were planted in the project area. It was observed that all planted trees are protected and in good condition. Therefore, the FAR was closed.

FAR#2: Because the verification period was up to the end of August 2012 and up to these dates no noise measurements (Indicator – Other Pollutants) and no birds – bats monitoring (Indicator – Biodiversity) were conducted in 2012, the PP is requested to present them during the next verification period.

During on site visit, the stakeholders were interviewed about the noise pollution. No negative feedback was occurred during this monitoring period. In addition, an ornithology report [/24/](#) [/25/](#) performed in 2012 and 2013 were provided to the verification team. According to the reports, the collisions around 13 turbines were not negatively affected by very high rates. Also, during this monitoring period of 01/09/2012 to 30/09/2013, noise measurements [/22/](#) was performed on 17/09/2013. The noise measurements are under the maximum noise level as per the Noise measurements [/22/](#). Therefore, FAR was closed.

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3.3 Monitoring Report

The Monitoring Report for the project activity “Canakkale WPP”, in “Turkey”, version 1 of 06/11/2013 submitted by the Enerjisa Enerji Uretim A.S. has been the basis for the verification process.

The main changes between the MR version 0 of 08/10/2013 at the starting date of the verification activity and the MR version 1 of 06/11/2013 submitted for registration are the following:

Section of the MR	Description and reason for changing the information in that section
First Page	According to the decided monitoring period, the excel sheet was revised and the necessary corrections were made in MR such as estimated and actual emission reduction of this monitoring period.
D.1. Data and parameters fixed ex ante or at renewal of crediting period	The name of the parameter was revised as per the methodology.
D.2. Data and parameters monitored	The value of the parameter was revised as per the emission reduction calculation spread sheet. Way of monitoring for the parameter “Other pollutants” was revised according to the registered PDD.
F.1. Calculation of baseline emissions or baseline net GHG removals by sinks	Table of the emission reductions was revised according to the excel sheet.
F.4. and F.5.	Emission reduction values are corrected as per the revised Excel sheet.

RINA confirms that the above MR is based on the currently valid MR template [/12/](#) and is completed in accordance with the applicable guidance document [/10/](#).

3.4 Project implementation

Actual implementation of the registered project activity

It was verified during the site visit that the proposed project activity has been implemented and it is in operation in accordance with the project activity described in the registered PDD [/1/](#). The starting date of operation and the crediting period is 11/02/2011 as confirmed through the Previous Verification Report [/18/](#). All turbines have been commissioned in two phases. The first phase acceptance Protocol covered 11 turbines were commissioned on 11/02/2011 [/16/](#) and the second phase acceptance Protocol covered 2 turbines were commissioned on 06/05/2011 [/17/](#).

The project activity consists of 13 Siemens wind turbines, each with a 2.3 MW capacity making the total installed capacity of the project activity 29.9 MW. The technical details of the wind turbines comply with the registered PDD [/1/](#). It is confirmed during the site visit that all installed turbines are Siemens type SWT 101 turbine, each with an output of 2.3 MW. The project boundary in the registered PDD [/1/](#) is in line with the actual project boundary. The generated electricity is supplied to the National Electricity Transmission Grid of Turkey via 154 kV Can electricity transmission line.

Based on the onsite inspection and checking the above documents, RINA confirms that the project activity has been implemented and it is in operation as described above in accordance with the project activity in the registered PDD [/1/](#).

Post registration changes

Not available.

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3.5 Methodology for determining Emission Reductions.

According to the applied methodology “ACM0002”, “Consolidated baseline methodology for grid-connected electricity from renewable sources” [/7/](#), the emission reductions have been calculated based on the following formula:

$$ER_y = BE_y - PE_y - L_y$$

Where:

BE_y = Baseline emissions in year y (tCO₂e/yr)

PE_y = Project emissions in year y (tCO₂e/yr)

L_y = Leakage emissions in year y (tCO₂e/yr)

The baseline emissions include the CO₂ emissions from electricity generation in fossil fuel fired power plants that are displaced due to the project activity, multiplying the electricity supplied to the grid (MWh) with the combined margin CO₂ emission factor for grid connected power generation in year.

$$BE_y = EG_{PJ,y} \times EF_{grid,CM,y}$$

Where:

$EG_{PJ,y}$ = Net electricity supplied to the grid (MWh)

$EF_{grid,CM,y}$ = Combined margin grid emission factor (tCO₂/MWh)

The project emissions are assumed to be zero as per the ACM0002 [/7/](#) since the project is a renewable energy project as defined in the registered PDD [/1/](#) and validation report [/8/](#). The leakage emissions are assumed to be zero as per the ACM0002 [/7/](#) as defined in the registered PDD [/1/](#). Since the project and leakage emissions are zero, the emission reduction equals to baseline emissions.

3.5.1 Compliance of the monitoring plan with the monitoring methodology and applicable methodological tools

The registered project activity applies the approved baseline and monitoring methodology ACM0002 version 12.1.0 [/7/](#). RINA confirms that the monitoring plan in the registered PDD [/1/](#) complies with the applied CDM methodology and the sustainability indicators established by the Appendix D of the Gold Standard requirements [/4/](#).

3.5.2 Deviation in GHG emission reduction

Additionality assessment has been performed according to the “Tool for the demonstration and assessment of additionality” approved by UNFCCC in the registered PDD [/1/](#). The baseline scenario selection and the calculation of emission reductions have been carried out in a conservative manner. An approved CDM methodology, ACM0002 version 12.1 has been applied in order to determine the baseline scenario and calculate emission reductions.

3.5.3 Compliance of monitoring with monitoring plan

The monitoring plan presented in the monitoring report version 1 of 06/11/2013 and the previous versions for the period of 01/09/2012 to 30/09/2013 (both days included) [/3/](#) complies with the monitoring plan in the registered PDD [/1/](#).

The only monitoring parameter is “Net electricity generated by the power plant in year y (EG_y) as per the registered monitoring plan presented in the registered PDD [/1/](#). The parameter is monitored continuously by two electricity meters that are located at the project area. Two electricity meters are

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installed at the project site, one is the main meter (ACTARIS SL761A071 with a serial number of 53035219) and the other one is the backup meter (ACTARIS SL761BXXX with a serial number of 35004263). The accuracy of the main meters is 0.2s and the backup meter is 0.5s as confirmed through the Meters Periodic Test Report [/13/](#), performed by TEIAS. The accuracy class of the meters complies with the “Communiqué for Measurement Devices used in the Electricity Market” [/31/](#). The electricity meters are sealed by TEIAS as confirmed during the site visit. TEIAS is responsible for calibration and maintenance of the devices. The project owner has no control on the meters since the meters are sealed by the TEIAS. If any major discrepancy occurs between the two meters, TEIAS performs necessary calibration. The meters were calibrated by the supplier as confirmed through the initial calibration records [/26/](#) [/27/](#). As per the “Regulation of Metering and Testing of Metering Systems”, the meters shall be calibrated every 10 years. The calibration of meters is deemed appropriate and in compliance with the national regulation [/28/](#). Also the meters are controlled and checked by TEIAS on 26/09/2013 Meters Periodic Test Reports [/13/](#). By the end of each month, the electricity generation supplied to the grid and electricity consumption from the grid is read remotely from the electricity meters through Automatic Meter Reading System by the TEIAS personnel. Also the PMUM records are available for the project participant. All protocols [/20/](#) [/29/](#) within this monitoring period was checked during the site visit. The Monthly Meter Reading Protocols [/20/](#) was crosschecked with the PMUM records [/29/](#). The Monthly Meter Reading Protocols, PMUM records and emission reduction calculation spreads sheet [/9/](#) are in line. During the monitoring period of 01/09/2012 to 30/09/2013 (both days included) the net electricity supplied to the grid amount to 88,354.74 MWh and the emission reductions to 53,896 tCO₂e.

According to the monitoring plan in the registered PDD [/1/](#) and in the monitoring report version 1 of 06/11/2013 [/3/](#), the following sustainability parameters are monitored: “Soil Condition (Storage of Hazardous waste)”, “Other Pollutants (Noise Monitoring)”, “Biodiversity (Number of effected birds and bats)”, “Biodiversity (Number of trees planted)”.

The following parameters have been monitored in accordance with the monitoring plan in the registered PDD [/1/](#) and the monitoring report [/3/](#).

3.5.3.1 Data and parameters fixed ex-ante or at renewal crediting period

DATA/PARAMETER	Source of data	Reported value for the project period	Assessment/Observation
EF _{grid,CM,y} Baseline emission factor	TEIAS statistics	0.610 tCO ₂ /MWh	As per the approved methodology ACM0002 version 12.1.0, the combined emission factor has been determined using the ex-ante option and so it is not requested to monitor and recalculate the emission factors during the crediting period. The combined emission factor is determined to be 0.610 tCO ₂ /MWh in the registered PDD /1/ and validation report /18/ .

3.5.3.2 Sampling plan

Not applicable..

3.5.3.3 Data and parameters monitored ex-post

DATA/PARAMETER	EG _y
Data Unit	MWh
Description	Net electricity generated by the power plant in year y

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Source of data to be used	PMUM (Market Financial Settlement Center) records and Monthly Meter Reading Records of main meters are cross-checked
Value data for the monitoring period	88,354
Measuring and reporting frequency; recording procedure.	Continuously monitoring and monthly recording
Type of monitoring equipment and its accuracy	Two electricity meters are installed at the project site, one is the main meter (ACTARIS SL761A071 with a serial number of 53035219) and the other one is the backup meter (ACTARIS SL761BXXX with a serial number of 35004263). The accuracy of the main meters is 0.2s and the backup meter is 0.5s as confirmed through the Meters Periodic Test Report /13/ , performed by TEIAS.
Calibration frequency/interval	TEAIS is responsible for calibration and maintenance of the devices as per the registered PDD. The project owner has no control on the meters since the meters are sealed by the TEIAS. If any major discrepancy occurs between the two meters, TEIAS performs necessary calibration. During this monitoring period no discrepancy was occurred. The meters were calibrated by the supplier as confirmed through the initial calibration records /26/ /27/. As per the “Regulation of Metering and Testing of Metering Systems”, the meters shall be calibrated every 10 years. The calibration of meters is deemed appropriate and in compliance with the national regulation /28/. During this monitoring period, the meters was controlled and checked by TEIAS on 26/09/2013 as confirmed through the Meters Periodic Test Reports /13/. During on-site assessment, it was confirmed that the meters are in place and functions well. During the monitoring period, no brake down has been recorded.
How were the values in the monitoring report verified and cross-checked?	The net electricity supplied to the grid has been crosschecked with the PMUM Screenshots /29/ .
Does the data management (from monitoring equipment to emission reduction calculation) ensure correct transfer of data and reporting of emission reductions?	By the end of each month, the electricity generation supplied to the grid and electricity consumption from the grid is read remotely from the electricity meters by Automatic Meter Reading System by the TEIAS personnel. Also the PMUM records are available for the project participant. All protocols /20/ /29/ within this monitoring period was checked during the site visit. The monthly meter reading protocols /20/ was crosschecked with the PMUM records /29/. The plant personnel records the electricity generation from the meters every day and the responsible engineer checks the figures regularly. In the case of difference between the data, TEIAS will be informed. The electricity generation supplied to the grid and electricity consumption from the grid is stored by PMUM on the web site. The Project owner has an ID and password to access this data on the web site. The

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	project owner can easily access the data by using this portal.
If only partial data are available because activity levels or non-activity parameters have not been monitored in accordance with the registered monitoring plan, has the most conservative assumption theoretically possible been applied or has a request for deviation been approved?	All the data were available for the whole monitoring period.

3.5.3.4 Gold Standard sustainability monitored parameters

Data variable	Source of Data	Reported value for the project period
Soil Condition (Storage of Hazardous waste)	Waste Disposal Invoices	The hazardous wastes are transported by licensed firm named Golteks Petrol Kimya.
Assessment		
Storage of hazardous waste is monitored by the inspection of the storage area during verification site visits and the inspection of the invoice /21/ . According to the invoices, the hazardous wastes are transported by licensed firms named Golteks Petrol Kimya.		

Data variable	Source of Data	Reported value for the project period
Other Pollutants (Noise Monitoring)	Noise Measurement	The measurements are under the limits.
Assessment		
Noise measurement was conducted by the project team for the 2 nd operational year. According to the measurements /22/ the values are under the limits that allowed by Turkish regulations /30/ .		

Data variable	Source of Data	Reported value for the project period
Biodiversity (Number of effected birds and bats)	Ornithology Reports	Number of effected birds and bats
Assessment		
According to the Ornithology Reports performed on June 2012 /24/ and January 2013 /25/ , some species of birds and bats are affected due to the project activity.		

Data variable	Source of Data	Reported value for the project period
Biodiversity (Number of trees planted)	Biodiversity monitoring	More than 250 trees are planted
Assessment		
During on site visit, it is observed that more than 250 trees are planted around the project area.		

3.5.4 Assessment of data and calculation of emission reductions

All the monthly meter protocols [/20/](#) are available for the project participant. All PMUM records [/29/](#) within this monitoring period was checked during the site visit. The monthly meter reading protocols [/20/](#) were crosschecked with the PMUM records [/29/](#).

The data of generated electricity are transferred correctly to the excel sheet [/9/](#) and emission reduction is calculated correctly. The excel sheet is crosschecked with the PMUM records [/29/](#) and the monthly meter reading protocols [/20/](#) and it seems appropriate.

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3.5.5 Accuracy of emission reduction calculations

The emission reduction calculations provided in the spreadsheet [/9/](#) have been verified to be correct and in line with the registered PDD [/1/](#).

The emission reductions from the project for the monitoring period as reported in the monitoring report version 1 of 06/11/2013 [/3/](#) is equivalent to 53,896 tCO₂e (on average 4,145.8 tCO₂e per month). The reported emission reductions are 11% lower than the estimated emission reduction of 60,534 tCO₂e (on average 4,656.5 tCO₂e per month) for the period as per the registered PDD [/1/](#).

The data presented in the monitoring report [/3/](#) were assessed by reviewing in detail project documentation, collection of monitored data, observation of established monitoring and reporting practices and assessment of the reliability of monitoring equipment. Sufficient evidence was presented and verified by RINA for the reported emission reductions as listed in the above Section 3.5.3.3.

3.5.6 Accuracy of the GS indicators of sustainable development

All the documented evidences related to the sustainable monitored parameters such as the Waste Disposal Invoice [/21/](#), noise measurements [/22/](#), ornithology reports [/24/ /25/](#) are provided as objective evidences.

3.5.7 Management system and quality control

The electricity generation supplied to the grid and electricity consumption from the grid is read from the electricity meters through Monthly Meter Reading Protocols by the TEIAS personnel. The monthly meter reading protocols are prepared as per these readings. The plant personnel records the electricity generation from the meters every day and the responsible engineer checks the figures regularly. In case of difference between the data, TEIAS will be informed. The generated electricity is measured by two meters that were sealed by TEIAS. The project owner has no control on the meters.

The electricity generation supplied to the grid and electricity consumption from the grid is stored by PMUM on the web site. The Project owner has an ID and password to access this data on the web site. The project owner can easily access the data by using this portal. The project owner also archives a hardcopy of these protocols, scanned and stored electronically.

The collected data during the monitoring period will be kept by the project owner at least two years after the last issuance of VERs as stated in the registered PDD [/1/](#) and monitoring report [/3/](#) in line with the ACM0002 version 12.1 [/7/](#).

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4 VERIFICATION AND CERTIFICATION OPINION

RINA Services Spa (RINA) has performed verification of the emission reductions reported for the project activity "Canakkale WPP" in Turkey, GS Registration Reference N° 906, for the period 01/09/2012 to 30/09/2013, with regard to the relevant requirements for GS activities.

The project participants of the "Canakkale WPP" project are responsible for:

- the preparation of greenhouse gas emissions data and the reported greenhouse gas emission reductions from the project on the basis set out in the monitoring plan contained in the registered Project Design Document version 9 of 04/09/2012
- the development and maintenance of records and reporting procedures in accordance with that plan, including the calculation and determination of greenhouse gas emission reductions of the project.

It is the responsibility of RINA to express an independent verification opinion about the project's conformity with the requirements of paragraph 62 of the CDM modalities and procedures, GS requirements and on the reported greenhouse gas emission reductions from the project.

Based on documented evidence and corroborated by an on-site assessment RINA can confirm that:

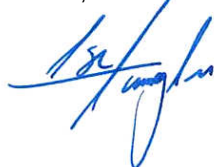
- the project has been implemented and operated as per the registered PDD;
- the monitoring report and other supporting documents provided are complete and verifiable and in accordance with the applicable CDM and GS VER requirements;
- monitoring is in place as per the applied baseline and monitoring methodology;
- monitoring complies with the monitoring plan in the registered PDD;
- the monitoring plan in the registered PDD is as per the applied baseline and monitoring methodology.

It is RINA's opinion that the GHG emission reductions stated in the monitoring report version 1 of 06/11/2013 for the "Canakkale WPP" project in Turkey for the period 01/09/2012 to 30/09/2013 are fairly stated. The GHG emission reductions were calculated correctly, the sustainability development indicators were correctly monitored, on the basis of the approved monitoring methodology "ACM0002", "Consolidated baseline methodology for grid-connected electricity from renewable sources", version 12.1.0 of 26/11/2010 and the monitoring plan contained in the registered PDD.

Hence, RINA is able to certify that the emission reductions from the project during the monitoring period 01/09/2012 to 30/09/2013 amount to 53,896 tCO₂e.

GHG Emission Reductions or Removals	tCO ₂ e
Baseline Emissions	53,896
Project Emissions	0
Leakage	0
Net GHG emission reductions or removals	53,896

Istanbul, 15/11/2013



Isil TIMUROGLU
GS Team Leader
RINA Denizcilik ve Belgelendirme Ltd. Sti.

Genova, 19/11/2013

Signature



Laura Severino
Authorized officer signing for the DOE
RINA Services S.p.A.

APPENDIX A

GOLD STANDARD VERIFICATION PROTOCOL

TABLE 1 REQUIREMENTS CHECKLIST

Checklist Question		Reference	MoV ¹	Comments	Conclusion
A Description of Project Activity					
A.1	Title of the project activity, revision number and date of Monitoring Report	/1/ /3/ /8/	DR	The title of the project activity is given as “Canakkale WPP” in the Monitoring Report version 0 /3/ . The title is also in line with the registered PDD /1/ and Validation Report /8/ . The revision number and date of the Monitoring Report seems appropriate.	OK
A.2	Is the actual implementation and operation of the proposed project activity in accordance with the project activity in the registered PDD?	/1/ /3/ /14/ /18/	DR, CC, I	It is confirmed during the site visit performed on 24/10/2013 that project activity is implemented and operated as per the registered PDD /1/ . The starting date of operation and crediting period is 11/02/2011 as confirmed through the Previous Verification Report /18/ . The project activity consists of 13 wind turbines, each with a 2.3 MW capacity and making the total installed capacity of 29.9 MW. Technical details of the wind turbines comply with the registered PDD /1/ . It was confirmed during the site visit that all installed turbines are Siemens type SWT 101 turbine. The project boundary in the registered PDD /1/ is in line with the actual project boundary. Generated electricity is supplied to the National Electricity Transmission Grid of Turkey at the 154 kV Can electricity transmission line. The coordinates of the turbines given in the monitoring report are confirmed through the Generation License /14/ . The estimated annual emission reduction given in the cover page and Section F.5 of Monitoring Report version 0 /3/ is not in line with the registered PDD /1/ . In addition; the monitoring period is defined as 01/09/2012-30/09/2013, however the calculation of emission reduction does not include the month of September 2013 although	CAR 1 OK

¹ MoV: DR document review, I interview, CC cross checking

Checklist Question		Reference	MoV ¹	Comments	Conclusion
				the PMUM and the monthly meter reading were provided. Please make all the necessary corrections in the Monitoring Report.	
A.3	Methodology applied for the registered project activity	/1/ /7/	DR	The registered project activity applies the approved baseline and monitoring methodology ACM0002 version 12.1 of 26/11/2010 /7/ .	OK
B Monitoring					
B.1 Monitoring plan					
B.1.1	Does the monitoring plan included in the registered GS project activity comply with the applied methodology?	/1/ /7/	DR, CC	The monitoring plan of the registered GS project activity complies with the applied methodology ACM0002 version 12.1 /7/ .	OK
B.1.2	Does the monitoring comply with the monitoring plan in the registered PDD?	/1/ /2/ /7/	DR, CC	The net electricity generated by the power plant in year y (EG _y) needs to be monitored as per the ACM0002 version 12.1 /7/ and registered PDD /1/ . In addition, since the project is developed under Gold standard, the following GS sustainable development parameters needs to be monitored for the second monitoring period as per the registered GS Passport /2/ : "Soil Condition", "Other Pollutants", "Biodiversity (including number of effected birds and bats)", "Biodiversity (number of trees planted)".	OK
B.1.3	Do the sustainability indicators included in the monitoring report comply with the minimum contents specified in paragraph 4.1 of the GS toolkit?	/4/ /5/	DR, CC	The project activity is developed and registered under Gold standard Version 2.1; therefore, GS Toolkit 2.1 is applicable to the project activity. The sustainability indicators in the monitoring report complies with the sustainability indicators established by the Gold Standard.	OK
B.1.4	Have any changes been made to the key sustainable development indicators?	/1/ /7/	DR, CC, I	No change has been occurred to the sustainable development indicators during the monitoring period of 01/09/2012 to 30/09/2013 as confirmed through the site inspection and interviews.	OK
B.2 Data and parameters that are available at validation and that are not monitored					
B.2.1	Which parameters were available at validation and how were they verified?	/1/ /7/ /8/	DR, CC	As per the approved methodology ACM0002 version 12.1, the combined emission factor has been determined using the ex-ante option, so it is not requested to monitor and	GR-1 OK

Checklist Question		Reference	MoV ¹	Comments	Conclusion
				recalculate the emission factors during this crediting period. The combined emission factor is determined to be 0.610 tCO₂/MWh in the registered PDD /1/ and validation report /8/. However, the title of the parameter “EF” is not in line with the methodology /7/.	
B.3 Data and parameters monitored					
B.3.1	Data/Parameter monitored / Data unit / Description / Source of data to be used / Value data for the monitoring period	/1/ /20/	DR, CC, I	Net Electricity Generation by the Power Plant (EG_y): The electricity generation and electricity consumption is measured in MWh and it is monitored by two electricity meters that are located at the project activity. However, the value of the monitored parameter is not correct since the given value is not the net electricity generation. The electricity generation and electricity consumption of the project activity is based on the monthly official electricity metering reports issued by governmental officers and signed by both parties /20/. The monthly meter reading protocols /20/ are verified during the monitoring period. Also,	CR-2 OK
B.3.2	Is the measurement equipment described? Is the accuracy of the measurement equipment addressed and deemed appropriate?	/3/ /13/	DR, CC, I	Two electricity meters are installed at the project site. The main meter is ACTARIS SL761A071 with serial number 53035219 and the backup meter is ACTARIS SL761BXXX with serial number 53004263. The meters have the accuracy of 0.2s and 0.5s as confirmed through Meters Periodic Test Report /13/, performed by TEIAS. The description of the meters presented in the monitoring report is in line with the operation as confirmed through the site visit observation.	OK
B.3.3	Are the requirements for maintenance and calibration of measurement equipment described and deemed appropriate?	/1/ /3/ /13/	DR, CC, I	TEAIS is responsible for calibration and maintenance of the devices as per the registered PDD /1/. The project owner has no control on the meters since the meters are sealed by the TEIAS as confirmed during the site visit. If any major discrepancy occurs between the two meters, TEIAS performs necessary calibration. During this monitoring period no discrepancy was occurred. The meters were calibrated by the supplier. The	OK

Checklist Question		Reference	MoV ¹	Comments	Conclusion
				recalibration of these meters will be done in line with the equipment requirements and through the period defined by national metrology institutes country by country and for Turkey this period is defined as 10 years. The calibration of meters is deemed appropriate and in compliance with the national regulation. During this monitoring period, the meters was controlled and checked by TEIAS on 26/09/2013 as confirmed through the Meters Periodic Test Reports /13/.	
B.3.4	Is the monitoring frequency adequate for all monitoring parameters? Is it in line with the registered monitoring plan?	/1/ /3/ /7/	DR, CC, I	The electricity generation supplied to the grid and electricity consumption from the grid is monitored continuously by two meters as verified during the site visit. Monitoring frequency is in line with the applied methodology and registered PDD.	OK
B.3.5	Is the recording frequency adequate for all monitoring parameters? Is it in line with the registered monitoring plan?	/1/ /3/ /7/	DR, CC, I	The electricity generation supplied to the grid, electricity consumption from the grid is recorded monthly. This is in line with the monitoring plan in the registered PDD.	OK
B.3.6	Does data management (from monitoring equipment to emission reduction calculation) ensure correct transfer of data and reporting of emission reductions?	/3/ /20/	DR, CC, I	At the last day of each month, the electricity generation supplied to the grid and electricity consumption from the grid is read and documented in Protocol, signed by the PP and TEIAS /20/. The report includes day, peak and night hour electricity generation of the plant. The plant staff explained the monitoring procedures during the site visit. As confirmed through the observation, the plant personnel records the electricity generation from the meters and fills the monthly reading protocols. These monthly meters reading protocols are signed by both parties and are the base of the ER estimations.	OK
B.4 Monitoring of GS indicators of sustainable development /environmental impacts					
B.4.1	Data/Parameter monitored / Data unit / Description / Source of data to be used / Value data for the monitoring period	/2/ /21/ /22/ /24/ /25/	DR, CC, I	The following GS sustainable development parameters are monitored as per the registered GS Passport /2/: "Soil Condition", "Other Pollutants", "Biodiversity (including number of effected birds and bats)", "Biodiversity (number of trees planted)". Soil Condition: Storage of hazardous waste is monitored by the inspection of the storage area during verification site visits and the inspection of the invoices /21/. According to the invoices, the hazardous wastes are transported by	GR-3 OK

Checklist Question		Reference	MoV ¹	Comments	Conclusion
				licensed firms named Golteks Petrol Kimya. Other Pollutants: Noise measurement /22/ was conducted by the project team for the 2nd operational year and local interviews. However, “Way of Monitoring” of the parameter is not in line with the registered PDD /1/. Biodiversity (Number of effected bird and bat flights): The ornithology reports performed on 2012 /25/ and 2013 /24/ by an ornithologist. According to the previous verification report a FAR was raised for this monitoring period. Because the verification period was up to the end of August 2012 and up to these dates no noise measurements (Indicator – Other Pollutants) and no birds – bats monitoring (Indicator – Biodiversity) were conducted in 2012, the PP is requested to present them during the next verification period. During this monitoring period of 01/09/2012 to 30/09/2013, noise measurement was performed on 17/09/2013 /22/ and an ornithology report /24/ /25/ was performed on June 2012 and January 2013. In addition, according to the previous verification report /18/, Biodiversity (Number of trees planted): According to the Gold Standard Foundation, a FAR was raised for this monitoring period. For Indicator Biodiversity (number of trees planted) the conducted compensations covered 2011 and 2012, as required in approved GS Passport, should be verified during the next verification phase. However, during this monitoring period more than 250 trees are planted as confirmed through the site observation.	
B.4.2	Is the montiroing in line with the registered monitoring plan?	/1/ /2/ /3/	DR, CC, I	The monitoring complies with the monitoring plan presented in the registered PDD.	OK
B.5 Management, quality assurance and quality control					
B.5.1	How has it been assessed that the monitoring arrangements described in the monitoring plan are feasible within the project design?	/1/ /2/	DR, I	An on-site inspection has been performed on 24/10/2013 and it could be confirmed that the monitoring arrangements in the monitoring plan are feasible within the project design.	OK
B.5.2	Are procedures identified for day-to-day record handling (including what records to keep, storage	/1/ /2/	DR, I	The electricity generation supplied to the grid and electricity consumption from the grid is monitored by two meters as	OK

Checklist Question		Reference	MoV ¹	Comments	Conclusion
	area of records and how to process performance documentation)?			verified during the site visit. The meters are sealed by TEIAS. The electricity generation supplied to the grid and electricity consumption from the grid is read remotely from the electricity meters by TEIAS. The reading results are stored by PMUM on the web site. The plant staff explained the monitoring procedures during the site visit. As confirmed through the observation, the plant staff monitors and records the data daily from both meters, fills the forms and compares the values for consistency. Also, the data transferred to excel and reported daily. The responsible engineer performs regular checks of this procedure each month. If any difference occurs between the two meters, TEIAS has to be informed.	
B.5.3	Are the data management and quality assurance and quality control procedures sufficient to ensure that the emission reductions achieved by/resulting from the project can be reported ex post and verified?	/1/ /2/	DR, I	The generated electricity is measured by two meters that were sealed by TEIAS. The project owner has no control on the meters. The electricity generation supplied to the grid and electricity consumption from the grid is stored by PMUM on the web site. The project owner also archives a hardcopy of monthly meter reading protocols signed by both parties (Project Manager and TEIAS), scanned and stored electronically.	OK
B.5.4	Will all monitored data required for verification and issuance be kept for two years after the end of the crediting period or the last issuance of VERs, for this project activity, whichever occurs later?	/1/ /3/ /7/	DR, I	The collected data during the monitoring period will be kept by the project owner at least two years after the last issuance of VERs as stated in the registered PDD /1/ and monitoring report /3/ in line with the ACM0002 version 12.1 /7/.	OK

TABLE 2 RESOLUTION OF CORRECTIVE ACTION REQUESTS AND CLARIFICATION REQUESTS

Corrective action and/ or clarification requests	Reference to Table 1	Response by project participants	Verification conclusion
CAR 1 The estimated annual emission reduction given in the cover page and Section F.5 of Monitoring Report version 0 /3/ is not in line with the registered PDD /1/. In addition; the monitoring period is defined as 01/09/2012-30/09/2013, however the calculation of emission reduction does not include the month of September 2013 although the PMUM and the monthly meter reading were provided. Please make all the necessary corrections in the Monitoring Report after adding the month of September.	A.2	Section F.5 and the cover page of the monitoring report have been revised as in line. The VER calculation excel sheet and related sections in the monitoring report have been revised adding the month of September 2013.	<u>Review 1 (07/10/2013):</u> The estimated annual emission reduction given in the cover page and Section F.5 of Monitoring Report version 1 /3/ is corrected as 55,878 tCO₂ and now in line with the registered PDD /1/. The monitoring period is defined as 01/09/2012-30/09/2013 and the calculation of emission reduction now includes the month of September 2013. All the necessary corrections was made in the Monitoring Report, version 1 /1/. <u>Hence, CAR 1 is closed.</u>
CR 1 Emission Factor (EF_{grid, CM,y}): The title of the parameter "EF" is not in line with the methodology. Please correct.	B.2.1	The title of the parameter has been corrected as per the methodology.	<u>Review 1 (07/10/2013):</u> Emission Factor (EF_{grid, CM,y}): The title of the parameter is now in line with the methodology. <u>Hence, CR 1 is closed.</u>
CR 2 Net Electricity Generation by the Power Plant (EG_y): The value of the monitored parameter is not correct since the given value is not the net electricity generation.	B.3.1	The value of the monitored parameter EG _y has been corrected.	<u>Review 1 (07/10/2013):</u> Net Electricity Generation by the Power Plant (EG_y): The value of the monitored parameter is now corrected as 88,354 MWh in the monitoring report, version 1 /1/. <u>Hence, CR 2 is closed.</u>
CR 3 Other Pollutants: "Way of Monitoring" of the parameter given in the monitoring report is not in line with the registered PDD /1/.	B.4.1	Revised accordingly.	<u>Review 1 (07/10/2013):</u> Other Pollutants: "Way of Monitoring" of the parameter given in the monitoring report is now in line with the GS Passport /2/. <u>Hence, CR 3 is closed.</u>