VERIFICATION AND CERTIFICATION REPORT

ANADOLU ELEKTRİK ÜRETİM ve TİCARET A.Ş.

ÇAKIRLAR 17.0 MW Run Off River Hydro Power Plant

IN

Turkey

MONITORING PERIOD: 1st Monitoring Period
From 01/03/2013 to 31/05/2016 (both days included)

PROJECT NUMBER: 387

Organizational Unit:	re-consult Ltd. Carbon Department		
Project Title:	ÇAKIRLAR 17.0 MW Run Off River Hydro Power Plant		
Project Number:	**Client:**		**Current MR Version:**
387	ANADOLU ELEKTRİK ÜRETİM ve TİCARET A.Ş.		09
Date of First Issue:	**Date of Current Version:**	**Version Number:**	**Number of Pages:**
22/04/2016	04/04/2017	04	79
Verification Number:	**Registration Number:**	**Monitoring Period:**	
01	GS917	From: 01/03/2013	To: 31/05/2016

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:** 13.0.0.

Verified Emissions Reductions: 95,664 tCO_2e

Project Size: ☒ Large Scale ☐ Small Scale ☐ Micro Scale

Project Participants:	ANADOLU ELEKTRİK ÜRETİM ve TİCARET A.Ş.

Verification Stages:

☒ Desk Review ☒ Site Visit ☒ Follow-up Interviews

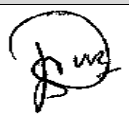
☒ Resolution of Outstanding Issues

Verification Findings:

During the verification 12 Corrective Action Requests, 00 were issued, all of which were closed out before the issuance of this verification report. There hasn't been any Clarification Requests and Forward Action Requests issued during the verification.

In summary, it is re-consult's opinion that the project activity "ÇAKIRLAR 17.0 MW Run Off River Hydro Power Plant" in Turkey, is in compliance with the monitoring plan described in the registered PDD, version 06 dated 16/07/2014. The GHG emission reductions are calculated correctly as per the applied methodology and the emission reductions given in the monitoring report version 09 dated 04/04/2017 are fairly stated.

Verification Team Leader:	Sandeep Kanda	**Indexing Terms:**
Verification Team Members:	Anıl Söyler Göknil Tüfeközdemir	☐ No distribution without permission of the client or responsible organizational unit

Approved By (Technical Reviewer):	**Name:**	**Signature:**	☐ Limited Distribution
	Sukanta Das		☐ Unrestricted Distribution

Abbreviations

CAR : Corrective Action Request
CDM : Clean Development Mechanism
CEF : Carbon Emission Factor
CER : Certified Emission Reduction(s)
CL : Clarification request
CO_2 : Carbon dioxide
CO_2e : 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)
tCO_2e : 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 first periodic verification of the “ÇAKIRLAR 17.0 MW Run Off River Hydro Power Plant” which is a Gold Standard project with the registry reference number “GS917” for the period between 01/03/2013 and 31/05/2016. The scope of the activities covers the verification and certification of GHG emissions reductions reported in Monitoring Report Version 09 dated 04/04/2017 of “ÇAKIRLAR 17.0 MW Run Off River Hydro Power Plant”.

re-consult Ltd. hereby confirms that the project activity “ÇAKIRLAR 17.0 MW Run Off River Hydro Power Plant” in Turkey, is implemented in accordance with the validated and registered PDD version 06 dated 16/07/2014. 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 13.0.0.

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

The implementation of the project has resulted in 95,664 tCO_2e during the monitoring period 01/03/2013 up to 31/05/2016.

2. INTRODUCTION

2.1. Objective

re-consult Ltd. has been appointed by "ANADOLU ELEKTRİK ÜRETİM ve TİCARET A.Ş." to perform the first periodic verification of the "ÇAKIRLAR 17.0 MW Run Off River Hydro Power Plant" with the contract dated 25/02/2016. The objective of this verification activity is to assess, with objective evidence:

- if the monitoring report dated "04/04/2017" 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 06 dated 16/07/2014.

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 13.0.0", 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

ANADOLU ELEKTRİK ÜRETİM ve TİCARET A.Ş., has installed and commissioned a 17 MW Run-off River Hydro Power Plant located on the Eastern Black Sea Region near Egrisu, Soval, Kopurten and Suluduz brooks in Artvin, Turkey).

The crediting period start date of the project as verified from the information provided on GS Registry by registered PDD and Validation Report is 17/08/2012 with choice of renewable crediting period. However, due to a delay that occurred during the conversion of the project form another standard to the Gold Standard, the actual crediting starts as of 01/03/2013.

2.4. Parties Involved

ANADOLU ELEKTRİK ÜRETİM ve TİCARET A.Ş. is the project participant and host country is Turkey.

2.5. Verification Period Covered

This is the 1st verification period from 01/03/2013 to 31/05/2016 (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 16/07/2014 version 06.
- A site visit was conducted on 29/03/2016 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.
- 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 elebarote 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 elebarote 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 07/03/2016 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
Göknil Tüfeközdemir	Trainee Verifier	☒	☒	☒	SV, R
Anil Söyler	Certification Manager	☒	☒	☒	A
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 01, dated 22/03/2016 which was submitted to the verification team on 22/03/2016. This monitoring report was revised several times due to the issued CARs and CLs, version 09 dated 04/04/2017 being the final version. The monitoring report and the monitoring activities were assessed against the registered PDD, version 06 dated 16/07/2014, the methodology ACM0002, version 13.0.0, the relevant CDM rules and regulations, CDM Validation and Verification Standard version 9.0, Gold Standard Toolkit version 2.2, final validation report of Bureau Veritas Certification, dated 16/07/2014, version 02.

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	29/03/2016	
Location	Murgul / Artvin	
Participant	**Company Name**	**Role in the Organization / Role in the Site Visit**
Uğur NAL	Anadolu Elektrik Üretim ve Ticaret A.Ş.	Operations Manager
Gediz KAYA	Gaia Finansal Danışmanlık Hiz. Tic. Ltd. Şti.	Consultant
Hakan GÜNGÖR	Anadolu Elektrik Üretim ve Ticaret A.Ş.	Operating Chief
Hakan NAMLI	Anadolu Elektrik Üretim ve Ticaret A.Ş.	Operator
Necati TOPLU	Anadolu Elektrik Üretim ve Ticaret A.Ş.	Operator
Ersin TOPLU	Kabaca Village	Villager
Hüseyin SARI	Kabaca Village	Villager
Şenol RAİFOĞLU	Kabaca Village	Villager
İbrahim TOPLU	Kabaca Village	Villager
Nihat TOPLU	Kabaca Village	Villager
Ergin ZORLU	Kabaca Village	Villager
Suat TOPLU	Kabaca Village	Villager

Points Verified	**Source of Information**
Implementation and operation of the proposed CDM project activity as per the registered PDD	Physical inspection during site visit, Interview
Review of information flows for generating, aggregating and reporting the monitoring parameters	Interview on-site
Interviews with relevant personnel to confirm that the operational and data collection procedures are implemented in accordance with the monitoring plan in the PDD	Interview on-site
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	Interview on-site
Check of the monitoring equipment including calibration performance and observations of monitoring practices against the requirements of the PDD and the selected methodology	Interview on-site

Review of calculations and assumptions made in determining the GHG data and emission reductions	Desk-review
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	Interview on-site

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 12 CARs, were issued all of which are listed in the Verification Protocol. There haven't been any CLs or FARs 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 as in Table 3-6:

Table 3-6: Timeline of verification activities

Activity	Date
Desk review started	22/03/2016
On site assessment	29/03/2016
1st Protocol submission to client	22/04/2016
Responses received	21/07/2016
Subsequent Protocol submission to client and responses received	21/07/2016 – 15/11/2016
Closure of all CARs and CLs	16/11/2016
Submission for Technical Review	16/11/2016
Submission for final approval	23/11/2016
Final documents submitted to GS Organization	24/11/2016
GS review comments	10/01/2017 - 30/03/2017
Revised Verification Report addressing GS review comments	04/04/2017

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

No FAR has been presented in the previous validation report. However, 2 FARs were raised during the GS registration review. These FARs and the corresponding assessment is as follows:

Forward Action Request #1: The verifying DOE shall check if there are any studies about the cumulative impact of the hydropower plants operating in the region.

So far, there hasn't been any cumulative impact study prepared for hydropower plants operating in the region.

Forward Action Request #2: The verifying DOE shall check and approve if the comments given during the stakeholder feedback round have been taken into consideration by the PP during the implementation of the project.

Regarding FAR-2, PP has provided relevant photos and other evidences and the issues in the stakeholder round were taken into consideration. There are no issues since all issues are resolved and this is confirmed by the village head in the signed letters.

4.2. Compliance of the Project Implementation with the Registered PDD

The project is fully implemented as per the description presented in the registered PDD. During on-site visit, in the power house, two vertical shaft Pelton turbines, each 8.519 MW (total capacity 17.0 MW) were seen installed. 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.

As per the registered PDD, the estimated annual emission reduction is 32,203 tCO_2e. The actual values achieved for the current monitoring period is 95,664 tCO_2e corresponding to three years and three 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 13.0.0, 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, given that the project does not have a reservoir area.

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 backup meter. The meters used are in line with the regulatory requirements for electricity meters. The serial numbers are 374150 for the main meter and 374149 for the backup meter respectively. The accuracy class of the meters is 0.2s - 1. 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 PMUM records provided to the company by TEIAS. All readings and billings are done via PMUM 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 information to be monitored is the amount of net electricity exported to the grid by the project activity and plant capacity. The grid emission factor is fixed ex-ante and the project does not have a reservoir.

For sustainable development indicators, the sustainability monitoring plan has the following to be monitored:

- Air quality
- Water quality and quantity
- Biodiversity
- Quality of employment
- Livelihood of the poor
- Quantitative Employment and Income Generation
- Grievance mechanism for Stakeholders
- Environmental flow in the project area

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:

Table 4-1: Sustainability monitoring plan parameters

Indicator	Chosen parameter	Way of monitoring (When)	Compliance check
Air quality (Dust pollution)	Dust emission level in the construction site	Dust emission measurement in case of a complaint	Based on the site visit interviews with the local stakeholders, the DOE confirms that no grievance regarding dust has been received.
Water Quality and Quantity	Domestic wastewater	Yearly wastewater delivery records	Based on the site visit and wastewater transfer records it is confirmed that no discharge of wastewater to the surface or ground is being carried out.
Water Quality and Quantity	Minimum flow rates required for four streams	Continuous measurements by State Water Works (DSI)	The minimum flow requirement is defined as at least 10% of the average water flow in the last decade or 150 lt/sec (as per the Environmental Due Diligence study), higher of the two prevails. The project meets this requirement as checked from DSI records. Also, the t-square statistical analysis reveals that the minimum water released by the plant has been above 150 lt/sec during the monitoring period within statistical significance.
Biodiversity	River fish wildlife	Comply with the 'minimum water rule' based on State Water Works (DSI) measurements	The minimum flow requirement is defined as at least 10% of the average water flow in the last decade or 150 lt/sec (as per the Environmental Due Diligence study), higher of the two prevails. The project meets this requirement as checked from DSI records. Also, the t-square statistical analysis reveals that the minimum water released by the plant has been above 150 lt/sec during the monitoring period within statistical significance.
Quality of	Number of	Training records	20 employees have been

Indicator	Chosen parameter	Way of monitoring (When)	Compliance check
employment	employees to be trained for the construction and operation of the plant.	and interview with the employees during the first verification.	trained for the operation of the plant during the first monitoring period, as confirmed through the training certificates and interviews conducted during on-site visit. The exact date of the specific training conducted has been included in the monitoring report. Please see the Table 4.1 in the Section 4.6 of the revised verification report.
Livelihood of the poor	Number of social projects and amount of financial aid to projects	Bills of financial aids and interviews with the authorised people from the related local institutions, during the first verification.	Amount of donation to the charitable events amounting to 8064 TL in cash during the monitoring period was confirmed based on the Company records.
Quantitative Employment and Income Generation	Number of local employees and its ratio to the unemployment number of in the region	Social Security Records (SGK) of the company to be checked during the first verification.	20 employees have been trained for the operation of the plant during the first monitoring period, of which 12 are locals. This has been confirmed through the SGK records checked during on-site visit.
Grievance mechanism for Stakeholders	Community grievances	Continuously via grievance forms, e-mails or letters	Based on the site visit interviews with the local stakeholders, the DOE confirms that no grievance regarding dust has been received. However, there were four requests made, two regarding financial aid and two regarding building/renovation. All four of these requests have been resolved by the PP.
Environmental flow in the project area	Incidents about environmental flow	Continuous monitoring and reporting of any incident to State Hydraulic Works	Based on the site visit interviews, the DOE confirms that no environmentally disruptive incidents were reported.

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. The initial calibration of the meters was done on 03/07/2009. Although, re-calibration is required after ten years, nevertheless, in case of irregular difference between main and cross-check spare meters, TEIAŞ responsible are informed for intervention. TEIAS is responsible for calibration and maintenance of the devices. The second calibration tests for the meters were performed on 01/11/2013.

All documents regarding meter quality and approvals/acceptance have been presented for the first 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

EPİAŞ (formerly PMUM) records are presented to DOE for all months of the monitoring period. All data in emission reductions table are checked with EPİAŞ records. The net electricity generated during the current monitoring period was as follows in Table 4-2:

Table 4-2: Net electricity generated during the current monitoring period

Period	Amount	Compliance check
01/03/13 – 31/12/2013	50,373 MWh	Monthly EPİAŞ records
01/01/2014 – 31/03/2014	52,350 MWh	Monthly EPİAŞ records
01/01/15 – 31/12/2015	49,211 MWh	Monthly EPİAŞ records
01/01/2016 – 31/05/2016	26,216 MWh	Monthly EPİAŞ records

DOE confirms that the data used for emission reductions are correct. The grid emission factor taken is 0.537 tCO_2/MWh. The value is same as fixed ex-ante in the registered PDD.

DOE confirms that the methods and formulae used for calculating baseline emissions are in line with the methodology and the registered PDD. The net electricity generation is multiplied with the grid emission factor to arrive at the emission reductions.

Emission factor and data and parameters avaiable 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 emission reduction for the first monitoring period should have been 104,814 tCO_2e. However, the project in operation totally reached 95,664 tCO_2e in this period (2013: 27,050, 2014: 28,111, 2015: 26,426 tCO_2e, 2016: 14,077 tCO_2e). 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 (1 main and 1 back-up). The meters used in the power house are in line with the EMRA requirements for electricity meters. The periodical check for the meters is 1 year as stated in the TEIAS System Usage Agreement. If there is a measuring difference between these two meters and one of the parties (TEIAS 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 TEIAS. The PP is not responsible for calibration of the meters in Turkey per the local standards.

4.11. Materiality

Verification DOE checked all data set (EPİAŞ records from 01/03/2013 - 31/05/2016) 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

Crediting period of the project is 7 years which is twice renewable. Crediting period is from 17/08/2012 to 16/08/2019 (both days are included). However, due to a delay that occurred during the conversion of the project from another standard to the Gold Standard, the actual crediting starts as of 01/03/2013. The GS registration date of the project is 25/02/2015. As per GS rules, the credits 2 years prior from GS registration date can be claimed. Therefore, the crediting period start date in this project as 01/03/2013, seems reasonable and appropriate.

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	Uğur NAL	Operations Manager	Anadolu Elektrik Üretim ve Ticaret A.Ş.
I02	SV	Gediz KAYA	Consultant	Gaia Finansal Danışmanlık Hiz. Tic. Ltd. Şti.
I03	SV	Hakan GÜNGÖR	Operating Chief	Anadolu Elektrik Üretim ve Ticaret A.Ş.
I04	SV	Hakan NAMLI	Operator	Anadolu Elektrik Üretim ve Ticaret A.Ş.
I05	SV	Necati TOPLU	Operator	Anadolu Elektrik Üretim ve Ticaret A.Ş.
I06	SV	Ersin TOPLU	Villager	Kabaca Village
I07	SV	Hüseyin SARI	Villager	Kabaca Village
I08	SV	Şenol RAİFOĞLU	Villager	Kabaca Village
I09	SV	İbrahim TOPLU	Villager	Kabaca Village
I10	SV	Nihat TOPLU	Villager	Kabaca Village
I11	SV	Ergin ZORLU	Villager	Kabaca Village
I12	SV	Suat TOPLU	Villager	Kabaca Village

[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 'Cakirlar HEPP'	06	16/07/2014
D02	GS Passport 'Cakirlar HEPP'	-	-
D03	ACM0002	13.0	11/05/2012
D04	Verification Contract	-	25/02/2016
D05	Monitoring Report	V01	22/03/2016
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	GS upgrade validation report by BVC	02	16/07/2014
D11	Investment amount letter from auditor	-	23/09/2016
D12	Emission reduction calculation sheet	-	21/08/2016
D13	Training certificate from Andritz	-	01/08/2009
D14	Technical training letter of 5 staff from PO	-	27/09/2016
D15	Calibration Certificates	-	2013/2014/2015
D16	Wastewater Transfer Records	-	2013/2014/2015
D17	Lifeline Water Records of Eğrisu, Kunsu, Köpürten and Suludüz	-	01/02/03/04/05/06/2016
D18	List of support and donations	-	-
D19	Social Security Records for the Employees	-	-
D20	Training Records and Certificates		2012/2013/2014/2015
D21	Monthly electricity data	-	01/03/2013 – 31/05/2016
D22	Reforestation Records	-	2009
D23	Wastewater Transfer Records	-	2010/2012/2015
D24	Waste Decleration Form for 2014	-	07/03/2015
D25	Waste Decleration Form for 2015	-	25/01/2016
D26	Waste oil Transfer Records	-	04/02/2014-16/02/2016
D27	Ministry Opinion Letter about Emission Permit	-	07/2009
D28	Environmental Impact Essessment (eia) Letter	-	08/01/2007

Document Number	Document Name	Version	Date (dd/mm/yyyy)
D29	Monitoring Report	02	21/07/2016
D30	Monitoring Report	03	21/07/2016
D31	Monitoring Report	04	15/08/2016
D32	Monitoring Report	05	07/09/2016
D33	Monitoring Report	06	21/11/2016
D34	Final emission reduction calculation sheet	-	03/11/2016
D35	Monitoring Report	07	09/02/2017
D36	Monitoring Report	08	22/03/2017
D37	Monitoring Report	09	04/04/2017

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.

Anıl SÖYLER, Bsc. in Environmental Engineering, has completed his Bachelor degree in Middle East Technical University, Turkey. His Master study in the same field is at thesis stage and has 12 years of professional experience in environmental management, monitoring and auditing, waste and waste water management, environmental and social impact assessment, control of greenhouse gas emissions, environmental reports, and quality management systems. He has been involved in both national and international projects supported by IFC and World Bank. He has been working as Certification Manager in the context of re-consult.

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

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
16-08-2016	16-08-2016	16-08-2016	16-08-2016	16-08-2016

Verified Carbon Standard, Gold Standard, World Commission on Dams, Social Carbon				
Validator	Verifier	Team leader	Technical reviewer	Technical Expert
16-08-2016	16-08-2016	16-08-2016	16-08-2016	16-08-2016

Speciality	Regional expertise	Financial expertise	Technical area
N/A	1,2,4,8,10,11,12 and 18	16-08-2016	1.1, 1.2, 2.1, 3.1, 4.1, 9.1, 9.2, 13.1, 13.2 and 15.1

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. Anıl SÖYLER	Certification Manager	16-08-2016	
Name	Position	Date	Signature

re-consult
Rüzgar Enerjisi Danışmanlık İç ve Dış Tic. Ltd. Şti.
Begi'a Plaza
Muhalin Yazıcıoğlu Cad. 43/11
TR / 06520 Balgat-Ankara
Tel.: 0090-312-287 51 22
Fax: 0090-312-287 38 73

Certificate of Appointment

Carbon Department

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

Clean Development Mechanism				
Validator	Verifier	Team leader	Technical reviewer	Technical Expert
18-08-2016	18-08-2016	N/A	N/A	18-08-2016

Verified Carbon Standard, Gold Standard, World Commission on Dams, Social Carbon				
Validator	Verifier	Team leader	Technical reviewer	Technical Expert
18-08-2016	18-08-2016	18-08-2016	N/A	18-08-2016

Speciality	Regional expertise	Financial expertise	Technical area
N/A	6,8 and 15	N/A	1.2 and 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. Christian JOHANNES	General Manager	18-08-2016	
Name	Position	Date	Signature

re-consult Rüzgar Enerjisi Danışmanlık İç ve Dış Tic. Ltd. Şti. Başlı's Plaza Muhsin Yazıcıoğlu Cad. 43/11 TR / 06520 Balgat-Ankara Tel.: 0090-312-287 51 22 Fax: 0090-312-287 35 73	Certificate of Appointment	re-consult
	Carbon Department	Page: 1/1

This Certificate of Appointment is given to **Ms. Göknil** Tüfeközdemir as a confirmation of compliance with internal qualification requirements as follows:

Clean Development Mechanism				
Validator	Verifier	Team leader	Technical reviewer	Technical Expert
Trainee 18-08-2016	Trainee 18-08-2016	N/A	N/A	18-08-2016

Verified Carbon Standard, Gold Standard, World Commission on Dams, Social Carbon				
Validator	Verifier	Team leader	Technical reviewer	Technical Expert
Trainee 18-08-2016	Trainee 18-08-2016	N/A	N/A	18-08-2016

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	18-08-2016	
Name	Position	Date	Signature

re-consult
Rüzgar Enerjisi Danışmanlık İç ve Dış Tic. Ltd. Şti.
Bagi's Plaza
Muhsin Yazıcıoğlu Cad. 43/11
TR / 06520 Beşgat-Ankara
Tel.: 0090-312-287 51 22
Fax: 0090-312-287 33 73

Certificate of Appointment

Carbon Department

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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
17-08-2016	17-08-2016	17-08-2016	17-08-2016	17-08-2016

Verified Carbon Standard, Gold Standard, World Commission on Dams, Social Carbon				
Validator	Verifier	Team leader	Technical reviewer	Technical Expert
17-08-2016	17-08-2016	17-08-2016	17-08-2016	17-08-2016

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. Anıl SÖYLER	Certification Manager	17-08-2016	
Name	Position	Date	Signature

8. VERIFICATION AND CERTIFICATION OPINION

re-consult Ltd. has performed the 1st periodic verification of Gold Standard "ÇAKIRLAR 17.0 MW Run Off River Hydro Power Plant" which is a project with the registry reference number "GS917" for the period between 01/03/2013 and 31/05/2016. The scope of the activities covers the verification and certification of GHG emissions reductions reported in Monitoring Report Version 08 dated 22/03/2017 of "ÇAKIRLAR 17.0 MW Run Off River Hydro Power Plant".

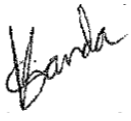
ANADOLU ELEKTRİK ÜRETİM ve TİCARET A.Ş. is responsible for the preparation of the GHG emissions data and the reported GHG emissions reductions of the project on the basis set out within the project Monitoring Plan indicated in the final PDD. The development and maintenance of records and reporting procedures 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 09.

The verification has been performed by a verification team consisting of "Sandeep Kanda as team leader, Göknil 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 "ÇAKIRLAR 17.0 MW Run Off River Hydro Power Plant" in Turkey, is implemented in accordance with the validated and registered PDD version 06 dated 16/07/2014. 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 13.0.0.

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

Project Title	ÇAKIRLAR 17.0 MW Run Off River Hydro Power Plant
Applicable Period	1st Monitoring Period (01/03/2013 to 31/05/2016 both days included)
Baseline Emissions	95,664 tCO_2e (2013: 27,050 tCO_2e, 2014: 28,111 tCO_2e, 2015: 26,426 tCO_2e, 2016: 14,077 tCO_2e)
Project Emissions	0 tCO_2e
Leakage Emissions	0 tCO_2e
Emission Reductions	95,664 tCO_2e (2013: 27,050 tCO_2e, 2014: 28,111 tCO_2e, 2015: 26,426 tCO_2e, 2016: 14,077 tCO_2e)



Sandeep KANDA
Team Leader
04.04.2017

Sukanta DAS
ITR
04.04.2017

Anıl SÖYLER
Certification Manager
04.04.2017

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			
1.1. Title of the project activity;	CDM-MR-FORM version 5.1	DR	Title indicated as – 'ÇAKIRLAR 17.0 MW Run Off River Hydro 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 GS917	OK	OK
1.3. Version number of the monitoring report;	CDM-MR-FORM version 5.1	DR	01 for the first submission	OK	OK
1.4. Completion date of the monitoring report (DD/MM/YYYY);	CDM-MR-FORM version 5.1	DR	22/03/2016 is the date indicated for first 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	First monitoring period covering 01/03/2013 - 29/02/2016 (both days included).	OK	OK
1.7. Project participant(s);	CDM-MR-FORM version 5.1	DR	ANADOLU ELEKTRİK ÜRETİM ve TİCARET 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 13.0.0	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 total amount of GHG emission reductions achieved in this monitoring period have been correctly presented. The current monitoring period is after 31 December 2012.	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					
2. Has the following requirements been followed for the completion of MR?	CDM-MR-FORM version 5.1	DR			

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
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.1of 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
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

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
A.1.4. 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	The relevant dates for the project activity (e.g. construction, commissioning, continued operation periods, etc.) should be provided under section A.1 of the MR.	CAR1	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 been provided under section A.4 including the version numbers and titles?	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.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 17.08.2012 – 16.08.2019. This is not consistent with the PDD and validation report.	CAR2	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, continued operation periods etc.) been provided under section B.1 of the MR?	EB82 Report Annex 13 §244b	DR	The information on the implementation and actual operation of the project activity (including relevant dates, construction, commissioning, continued operation periods etc.) should be provided under section B.1 of the MR.	CAR3	OK
B.1.3. If the project activity consists of more	EB82 Report	DR	The project consists of only one site.	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
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?	Annex 13 §244b				
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	N/A	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
B.2. Post registration changes					

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
B.2.1. **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 temprorary 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 temprorary 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 applied methodology(ies),	CDM-MR-FORM version 5.1	DR	N/A	OK	OK
B.2.1.3.2. The duration for which	CDM-MR-FORM	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 deviation(s) is(are) applicable	version 5.1				
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 temprorary 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 conduct the verification, are these changes solely of a type(s) listed in	EB82 Report Annex 14 §299	DR	N/A	OK	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
Appendix 1 of the Project Standard?					
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 information?	EB82 Report Annex 14 §304a	DR	N/A	OK	OK
B.2.2.5. Are the corrected parameters in	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
accordance with the applied methodology, selected monitoring plan and/or the applied standardized baseline?	Annex 14 §304b				
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 the applied methodology and/or the applied standardized baseline in the registered PDD, does the	EB82 Report Annex 14 §314	DR	N/A	OK	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
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
B.2.3.7. If the parameter is used for calculating project GHG emissions, is the difference between the	EB82 Report Annex 13 Appendix I §4	DR	N/A	OK	OK

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

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
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 or increased number of units, or installation of units with lower capacity or units with a technology which is less	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
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 methodology and, where applicable, the applied standardized baseline under which the project activity has	EB82 Report Annex 13 §292a EB82 Report Annex 14 §320c	DR	N/A	OK	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
been registered;					
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 original spreadsheet calculations affected by the proposed or actual modifications to the project	EB82 Report Annex 14 §321a EB82 Report Annex 13 §294a	DR	N/A	OK	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
activity?					
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 selected methodology and/or the selected standardized baseline?	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
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 crediting period had been approved during this monitoring period or submitted with this	EB82 Report Annex 14 §306 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
monitoring report? •	§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	The description provided does not seem to be updated as: 1. PMUM (Market Finance Settlement Center) has been replaced by EPIAS in Turkey by July,2015 although EPIAS has the same responsibility as PMUM; 2. The meter numbers are incorrect; 3. The calibration details are not clearly provided. Was there no calibration after 01/11/2013?	CAR4	OK
C.2.1. Information flow including data generation	CDM-MR-FORM	DR	Yes	OK	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
	version 5.1 EB82 Report Annex 13 §246				

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
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 responsibilities of personnel, and emergency procedures for 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.4. Regarding to the management and operational system, are the responsibilities and authorities	EB82 Report Annex 14	DR	Yes	OK	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
for monitoring and reporting in accordance with the responsibilities and authorities stated in the monitoring plan?	§390b-iv				
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
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**					

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
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 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?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
D.1.5. In the data/parameter tables provided under section D.1 of the MR, for each data has the description of the	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
data/parameters given in accordance with the registered PDD and the applied approved methodology?					
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**					
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	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
approved methodology?					
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	The description provided in the data and parameters to be monitored is not correctly presented. Reference to different monitoring period, verification reports including FAR and wind turbine are found in the tables.	CAR5	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 net quantity of electricity delivered to the grid should be provided.	CAR6	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 applied been given?	CDM-MR-FORM version 5.1	DR	Yes	OK	OK
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	The meter details provided for net electricity generation are incorrect.	CAR7	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
D.2.8.1. Details on accuracy class	CDM-MR-FORM version 5.1	DR	Refer to CAR above	CAR7	OK
D.2.8.2. Calibration frequency	CDM-MR-FORM version 5.1	DR	Refer to CAR above	CAR7	OK
D.2.8.3. Serial number	CDM-MR-FORM version 5.1	DR	Refer to CAR above	CAR7	OK
D.2.8.4. Calibration date	CDM-MR-FORM version 5.1	DR	Refer to CAR above	CAR7	OK
D.2.8.5. Validity of the calibration	CDM-MR-FORM version 5.1	DR	Refer to CAR above	CAR7	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
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	EB82 Report Annex 14 §399	DR	Yes	OK	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
standards, or as per the manufacturer's specification?					
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 approaches adopted by the PPs for the calculation of emission reductions?	EB82 Report Annex 14 §395	DR	N/A	OK	OK
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	EB82 Report Annex 14 §395a	DR	N/A	OK	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
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					
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 scheduled date of calibration and the actual date of calibration?	EB82 Report Annex 14 §396b	DR	N/A	OK	OK
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	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
aren't available, have Pss calculated the emission reductions conservatively?	§397				
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
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	CDM-MR-FORM version 5.1 EB74 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
the sampling for those data and parameters according to the sampling plan been provided?	Annex 6 EB75 Report Annex 8				
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
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	CDM-MR-FORM	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
under section E.1 of the MR?	version 5.1				
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	The excel spreadsheet for the calculation of the emission reductions should be submitted.	CAR8	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**					
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	CDM-MR-FORM version 5.1	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
provided under section E.2 of the MR?					
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 provided under section E.3 of the MR?	CDM-MR-FORM version 5.1	DR	N/A	OK	OK
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	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
emission calculations been justified?	§402d				
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	The summary of calculation of emission reductions corresponding to the monitoring period has not been presented in section E.4. of the MR.	CAR9	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	Refer to CAR above	CAR9	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	Refer to CAR above	CAR9	OK
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	Refer to CAR above	CAR9	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.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-scale project activities other than project activities covered under E.4.6.5 below?	EB82 Report Annex 14 §361d	DR	N/A	OK	OK
E.4.5.5. 10 per cent of the emission reductions or removals for the	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
microscale project activities?	§361e				
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	The comparison of actual values of the GHG emission reductions of the project activity achieved during the monitoring period with the estimations in the registered PDD has not been given under section E.5 of the MR.	CAR10	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	Refer to CAR above	CAR10	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 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	CDM-MR-FORM version 5.1	DR	An explanation of the cause of any change in the actual emission reductions 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 PDD should be provided under section E.6 of the MR.	CAR11	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
stated in the registered CDM-PDD, been provided under section E.6 of the MR?					
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	The values stated in section E.7 of the MR are inconsistent with other parts of the document.	CAR12	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	Refer to CAR above	CAR12	OK
E.7.1.2. From 1 January 2013 onwards	CDM-MR-FORM version 5.1 EB82 Report Annex 13 §254a	DR	Refer to CAR above	CAR12	OK
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'	CDM-MR-FORM version 5.1 EB82 Report Annex 13 §254b	DR	Refer to CAR above	CAR12	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
calculations, has the annual caps been pro-rated to each period?					
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	No	OK	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	No	OK	OK
F.1.3. Has the FARs been resolved?	EB82 Report Annex 14 §28 §379 §376d	DR	N/A	OK	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

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

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

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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	N/A	OK	OK
4. If there are any grievances raised by the local stakeholders, has the PPs responded clearly to these comments?	T 4.5	SV	Stakeholders interviewed during verification site visit did not declare any troubles.	OK	OK

*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 relevant dates for the project activity (e.g. construction, commissioning, continued operation periods, etc.) should be provided under section A.1 of the MR.	A.1.4.	Initial Response: The relevant dates for the project activity was added. Response to Review-1: It is mentioned on page 2 and the whole version was updated.The project activity was started at May 1st , 2007. The construction was finished by August 2009 and the commissioning took place the next month on September 2, 2009. Response to Review-2: Revised. Please see the revisions under section A1.	Review-1 The exact commissioning date should be mentioned. Further, the version of the MR-form is not the most recent and shall be updated. Review-2 The Monitoring Report Section A is expected to describe the project activity at the period of monitoring. Therefore, the PP shall describe what has happened rather than what is anticipated/planned during the registration. In other words, the monitoring report shall use past tense rather than future tense. The Monitoring report shall be revised accordingly. Also, the total emissions reductions achieved in this monitoring period shall be provided under section A.1 of the MR. Review-3 Ok Closed
CAR-2 The crediting period indicated in the submitted monitoring report is 17.08.2012 – 16.08.2019. This is	A.5.1.	Initial Response: The crediting period in PDD is as 17.08.2012 – 16.08.2019 matching with the commissioning. However, the GS does only	Review-1 Ok Closed

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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
not consistent with the PDD and validation report.		accept the VERs maturing three years prior to the first verification as of GS validation. Hence in the Monitoring Report states the crediting period different than the PDD. This statement was added in the monitoring report page 6. Crediting period is from 17/08/2012 to 16/08/2019 (both days are included). However, due to a delay that occurred during the coversion of the project form another standard to the Gold standard, the actual crediting starts as of o1/03/2013.	
CAR-3 The information on the implementation and actual operation of the project activity (including relevant dates, construction, commissioning, continued operation periods etc.) should be provided under section B.1 of the MR.	B.1.2.	Initial Response: The information on the implementation and actual operation of the project activity was added. Response to Review-1: It is mentioned on page 2. The project activity was started at May 1st , 2007. The construction was finished by August 2009 and the commissioning took place the same month on September 2, 2009.	Review-1 The exact commissioning date should be mentioned. Review-2 Ok Closed
CAR-4 The description provided does not seem to be updated as: 1. PMUM (Market Finance Settlement Center) has been replaced by EPIAS in Turkey by	C.2.	Initial Response: Please see in below: Please note that PMUM was replaced by EPIAS2 as of July 2015, another semi-governmental body, to bridge buyers and sells also to maintain the grid control, the same	Review-1 Please elaborate the response. The current set of responses do not correspond fully to the CAR. Also, the MR has an incomplete sentence.

[2] https://www.epias.com.tr/

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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
July,2015 although EPIAS has the same responsibility as PMUM; 2. The meter numbers are incorrect; 3. The calibration details are not clearly provided. Was there no calibration after 01/11/2013?		responsibilities that PMUM carried out formerly. Response to Review-1: It has been corrected. The main meters of Elster brand (Serial No. 374150 and 374149, Accuracy: 0.2s-1) are controlled by the grid company calibration. The last calibration was performed after that date. The calibrations are performed only by TEIAS and with respect to their schedule they perform regular calibrations. There has been no other calibration since then.	Review-2 Ok Closed
CAR-5 The description provided in the data and parameters to be monitored is not correctly presented. Reference to different monitoring period, verification reports including FAR and wind turbine are found in the tables.	D.2.5.	Initial Response: Please find all parameters revised under D2. Response to Review-1: Please check the most recent version. Serial No. 374150 and 374149, Accuracy: 0.2s-1) for main meters and 452655, 452657 for the secondary (Control) meters. Response to Review-2: Please see the meters explained more clearly. -The training parameter with information on the number of personnel trained was given. The company letter and the sample certificates are attached. - For the water quality and quantity parameter minimum flow requirements were added. - For the soil condition parameter, the total amount of	Review-1 The details in section D.2 for the parameters is not presented correctly and consistently. For some parameters it even talks about 2nd monitoring period. The values of the parameters should be presented in the appropriate row. Review-2 It is unclear about the main meter and the control meters. The description and numbers are inconsistently stated. Further, regarding the SD parameters, the PP shall provide information on: - the trainings provided to the employees under the Monitoring Report; - the value for the parameter 'Water

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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
		fees paid by the project owner for planting 20.096 trees as demanded by the government was added.	Quality and Quantity' shall be provided. - for the parameter 'soil condition', efforts taken towards minimizing deforestation or commitment to reforestation should be indicated. Review-3 Ok Closed
CAR-6 The vintage break-up of the net quantity of electricity delivered to the grid should be provided.	D.2.6.	Initial Response: The vintage break up of power generation is given and consistency cross-checked. Response to Review-1: It is given in the table page 11 of the monitoring report. 2013 50,373 MWh 2014 52,350 MWh 2015 49,211 MWh 2016 3,377 MWh Response to Review-2: *"At renewable energy plants, usually, there is a single meter*	Review-1 The vintage break-up should be presented in section D.2. Also, the values and information presented in section E.1 is not consistent. Review-2 Clear description of the electricity supplied to the grid and the import from grid corresponding to the vintage and monitoring period shall be provided in the revised MR. Review-3 Further clarification on measurement of electricity traction from grid is to be provided. Also, clear tabulation and explicit presentation of electricity supply to grid, electricity traction from grid and

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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
		dedicated for measuring the import from the grid. Yet, Çakırlar HEPP does not have such meter. The plant imports from the grid, unmetered, while supplying the grid with electricity. Hence, the amount of electricity imported from the grid is accounted as part of the difference between the electricity supplied to the grid and the net electricity delivered to the grid." Response to Review-3: We are adding this explanation to the MP but we cannot give you a separate table. Response to Review-4: Please see the data page in the calculation excel. We embedded the screen shots. As a matter of fact, when you download the data as excel from the pages of screenshot, the data comes with that many numbers in the decimals. Please see the highlighted explanation on Page 9 of the MR. Response to Review-5: Please see plant metering diagram on page 10 of the monitoring report. (Figure 4) D.2 parameter values are revised.	net electricity delivered to the grid shall be presented. Furthermore, the values presented for 2016 are incorrect, as it only presents data corresponding till Feb-2016. Review-4 The explanation of how import from grid (electricity traction from grid) is measured is not clear since 'electricity traction from grid' values in the excel sheet is having so many numbers post the decimal point (seems to be a calculated number) and then it seems that there are two calculated columns (Electricity Traction from Grid and Net Electricity Delivered to the Grid). Please clarify. Review-5 The 'Electricity Traction from Grid' / transmission loss cannot be equated to electricity import. As per the methodology, the net electricity generation should be either monitored using bi-directional energy meter or calculated as difference between (a) the quantity of electricity supplied by the project plant/unit to the grid; and (b) the

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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
			quantity of electricity to the project plant/unit from the grid. In case it is calculated then the following parameters shall be measured: (a) The quantity of electricity supplied by the project plant/unit to the grid; and (b) The quantity of electricity delivered to the project plant/unit from the grid. Moreover, 'Electricity Traction from Grid' is a computed figure instead of the other way around as presented in the excel sheet. Please provide detailed a line diagram/schematic of meters along with the exact location and number of meters. Besides that, the table in section D.2 on electricity production does not present the 'Value(s) of monitored parameter:' correctly. Review-6 Ok Closed
CAR-7 The meter details provided for net electricity generation are incorrect.	D.2.8	Initial Response: Meter numbers are provided. Response to Review-1: It is corrected. Please find the correct info in the revised MP:	Review-1 The meter numbers presented in section C and D.1 are not consistent. Review-2

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<table>
<tr><th>Draft Report Clarifications, Forward Action and Corrective Action Requests By Verification Team</th><th>Ref. to Checklist Questions in Table-1 and Table-2</th><th>Summary of Project Participants' Response</th><th>Verification Team Conclusion</th></tr>
<tr><td></td><td></td><td>Response to Review-2:
Please see the revised version of the table.<table><tr><td>Brand</td><td>Elster</td></tr><tr><td>Model</td><td>Alpha A1500</td></tr><tr><td>Serial Numbers</td><td>*Main meter : 374150
(Control meter:374149)</td></tr><tr><td>Accuracy</td><td>0.2s – 1</td></tr><tr><td>Current</td><td>1A</td></tr><tr><td>Voltage</td><td>3*58/100V</td></tr><tr><td>Explanation</td><td>The frequency of the calibration is annual although EPIAS the grid managing authority specifies the dates by plant and the frequency can change. There has not been any calibration since Nov 1, 2013.</td></tr></table>Please see the line diagram in Section C of the Monitoring Report and the corresponding table. Meter 1 is main meter and meter 2 is back up meter. Both meters work at the same time. Also, please note that as they are both two-way meters they measure the generated and net electricity simultaneously.
Both meters measure the electricity from both turbines jointly.</td><td>It is unclear about the main meter and the control meters. The description and numbers are inconsistently stated.

Review-3
Ok
Closed</td></tr>
<tr><td>CAR-8</td><td>E.1.3</td><td>Initial Response:</td><td>Review-1</td></tr>
</table>

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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 excel spreadsheet for the calculation of the emission reductions should be submitted.		Excel spreadsheet is provided. Response to Review-1: Rounded down and applied all relevant sections. The related excel sheet is submitted and attached. The Response to Review-2: Round down function was applied to the vintage values rather than monthly calculations. Please see the new version of the attached excel spreadsheet and MR.	The vintage values should be rounded down. Review-2 The revised excel sheet with rounding down of vintage values has not been submitted. Accordingly, the values should be updated in the MR. Review-3 Ok Closed
CAR-9 The summary of calculation of emission reductions corresponding to the monitoring period has not been presented in section E.4. of the MR.	E.4.1.	Initial Response: Summary calculation is provided. Response to Review-1: Rounded down and applied all relevant sections. The summary of calculation of emission reductions is now presented in the MR.	Review-1 The rounded down vintage values should be presented. Review-2 The vintage summary of calculation of emission reductions corresponding to the monitoring period has not been presented in section E.4. of the MR. Review-3 The value presented for 2016 is not correct. Review-4

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<table>
<tr><th>Draft Report Clarifications, Forward Action and Corrective Action Requests By Verification Team</th><th>Ref. to Checklist Questions in Table-1 and Table-2</th><th>Summary of Project Participants' Response</th><th>Verification Team Conclusion</th></tr>
<tr><td></td><td></td><td>
<table>
<tr><th>Item</th><th>Baseline emissions or baseline net GHG removals by sinks (t CO_2e)</th><th>Project emissions or actual net GHG removals by sinks (t CO_2e)</th><th>Leakage (t CO_2e)</th><th>Emission reductions or net anthropogenic GHG removals by sinks (t CO_2e)</th></tr>
<tr><td>2013</td><td>27,046</td><td>0</td><td>0</td><td></td></tr>
<tr><td>2014</td><td>28,104</td><td>0</td><td>0</td><td></td></tr>
<tr><td>2015</td><td>26,419</td><td>0</td><td>0</td><td></td></tr>
<tr><td>2016</td><td>14,074</td><td>0</td><td>0</td><td></td></tr>
<tr><td>Total</td><td>95,643</td><td>0</td><td>0</td><td>0</td></tr>
</table>
Response to Review-2:
The format of the template table does not allow adding new rows because it is an y-axis table but we added the vintage summary in the same table.

Response to Review-3:
Corrected in both.

Response to Review-4:
</td><td>Values relevant with 2016 electricity generation are incorrectly presented in the MR and excel sheet.

Review-5
The value for 2016 has not been corrected throughout the MR.

Review-6
Ok
Closed</td></tr>
</table>

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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
		Corrected. Response to Review-5: Corrected.	
CAR-10 The comparison of actual values of the GHG emission reductions of the project activity achieved during the monitoring period with the estimations in the registered PDD has not been given under section E.5 of the MR.	E.5.1.	Initial Response: It is provided in MR. Response to Review-1: Rounded down and applied all relevant sections. Please find the correct info in the revised MP: Response to Review-2: The round down function was applied to the vintage values rather than monthly calculations. Please see the new version attached.	Review-1 The comparison with the revised rounded-down values should be presented. Review-2 The round-down function should be applied to the vintage value rather than the monthly calculations. Review-3 Ok Closed

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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-11 An explanation of the cause of any change in the actual emission reductions 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 PDD should be provided under section E.6 of the MR.	E.6.1.	Initial Response: Please note that the actual GHG reduction is less than estimated GHG reduction, based on new and corrected electricity generation data. Please find the explanation in E6. Response to Review-1: Each vintage by difference between estimation and actual emission reduction was given in E5. As seen in the table there, the estimated amount of GHG removals in the PDD was prorated with respect to the number of days corresponding to each year in the monitoring period and then compared to the actual generation of GHG removals. It is seen that, except for 2016, the actual generation of GHG removals is less than the generation estimated in the PDD. This is accounted as a result of some long term drought in the region. The drought eased down in 2016.	Review-1 Explanation for deviation in each vintage should be included instead for the entire monitoring period. Review-2 Ok Closed
CAR-12 The values stated in section E of the MR are inconsistent with other parts of the document.	E.7.1.	Initial Response: Revised and presented. Response to Review-1: Please find the correct info in the revised MR. Response to Review-2: It is corrected.	Review-1 Values to be corrected based on previous CARs. Review-2 Values to be corrected based on previous CARs. Review-3 The description should be corrected in

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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
		Response to Review-3: Revised in the MR. Response to Review-4: Corrected. Response to Review-5: Corrected.	section E.6, as the ER estimate in 2013 was also a bit higher. Review-4: The description in section E.6 hasn't been corrected yet. Review-5: The values for 2016 have not been corrected in section E.1 Table 10. Review-6 Ok Closed

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