
VERIFICATION AND CERTIFICATION REPORT

Yuntdağ Wind Power Project, Turkey IN TURKEY

MONITORING PERIOD:

From 01/04/2017 to 30/04/2018 (both days included)

Organizational Unit:	Re Carbon Ltd. Carbon Department		
Project Title:	Yuntdağ Wind Power Project, Turkey		
Project Number:	Client:	Current MR Version:	
497	Innores Elektrik Üretim A.Ş.	03	
Date of First Issue:	Date of Current Version:	Version Number:	Number of Pages:
10/08/2018	04/09/2018	02	73
Verification Number:	Registration Number:	Monitoring Period:	
02	GS 352	From: 01/04/2017	To: 30/04/2018
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: 11			
Verified Emissions Reductions: 111,459 tCO ₂ e			
Project Size: ☒ Large Scale ☐ Small Scale ☐ Micro Scale			
Project Participants:	Innores Elektrik Üretim A.Ş.		
Verification Stages:			
☒ Desk Review ☒ Site Visit ☒ Follow-up Interviews ☒ Resolution of Outstanding Issues			
Verification Findings:			
During the verification 17 Corrective Action Requests, 07 Clarification Requests were issued, all of which were closed out before the issuance of this verification report. No Forward Action Requests were issued during the verification. In summary, it is Re Carbon Ltd.'s opinion that the project activity "Yuntdağ Wind Power Project, Turkey" in Turkey, is in compliance with the monitoring plan described in the registered PDD, version 09 dated 08/04/2016. The GHG emission reductions are calculated correctly as per the applied methodology and the emission reductions given in the monitoring report version 03 dated 06/08/2018 are fairly stated.			
Verification Team Leader:	Anıl Söyler	Indexing Terms:	
Verification Team Members:	N/A	☒ No distribution without permission of the client or responsible organizational unit ☐ Limited Distribution ☐ Unrestricted Distribution	
Approved By (Technical Reviewer):	Name:	Signature:	
	Sukanta Das		

Abbreviations

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

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1. EXECUTIVE SUMMARY– VERIFICATION AND CERTIFICATION OPINION

Re Carbon Ltd. has performed the 2nd periodic verification of the “Yuntdağ Wind Power Project, Turkey” which is a Gold Standard project with the registry reference number “GS 352” for the period between 01/04/2017 and 30/04/2018. The scope of the activities covers the verification and certification of GHG emissions reductions reported in Monitoring Report version 03 dated 06/08/2018 of “Yuntdağ Wind Power Project, Turkey”.

Re Carbon Ltd. hereby confirms that the project activity “Yuntdağ Wind Power Project, Turkey” in Turkey, is implemented in accordance with the validated and registered PDD version 09 dated 08/04/2016. 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 16.0.

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

The implementation of the project has resulted in 111,459 tCO₂e during the monitoring period 01/04/2017 and 30/04/2018.

2. INTRODUCTION

2.1. Objective

Re Carbon Ltd. has been appointed by “Innores Elektrik Üretim A.Ş.” to perform the 2nd periodic verification of the “Yuntdağ Wind Power Project, Turkey” with the contract dated 23/11/2017. The objective of this verification activity is to assess, with objective evidence:

- if the monitoring report dated “06/08/2018” conforms with the requirements of the monitoring plan of the registered PDD and the approved methodology
- if the project activity conforms with the monitoring report and the registered PDD, and
- if the data reported in the monitoring report are complete and transparent.

2.2. Scope

The scope of the verification is the independent and objective review of the monitored GHG reductions. The verification activity is based on the validated and registered PDD version 09 dated 08/04/2016.

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 16.0”, 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 for project activities, version 1.0, CDM Project Standard for project activities, version 1.0, CDM Project Cycle Procedure for project activities, version 1.0, Gold Standard (GS) Toolkit version 1.0 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 Carbon Ltd. 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

Innores Elektrik Üretim A.Ş., has installed and commissioned a 60 MW wind power plant with 24 Nordex N90 turbines, each having a capacity of 2.5 MW, 90m rotor diameter and 80m hub height. The project is located near Koyuneli village of Bergama district in İzmir, Turkey.

The project supplies electric power to the Turkish National grid is transferred to the National Electricity System (Alosbi Transformer Station) via a 26 km long transmission line.

The second crediting period start date of the project is 21/03/2016 with choice of renewable crediting period.

2.4. Parties Involved

Innores Elektrik Üretim A.Ş. is the project participant and host country is Turkey.

2.5. Verification Period Covered

This is the 2nd verification period from 01/04/2017 to 30/04/2018 (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 08/04/2016 version 09.
- A site visit was conducted on 04/05/2018 to assess that all physical features of the project activity proposed in the registered PDD are in place and that the project participants has operated the project activity as per the registered PDD.
- Assessment of the compliance of the monitoring plan with the monitoring methodology ACM0002 version 16.0
- Assessment of the compliance of monitoring with the monitoring plan
- Assessment of data and calculation of greenhouse gas emission reductions
- Issuance of the verification report
- Independent technical review
- Approval of the verification report and request of issuance

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

The Verification Protocol consists of three tables:

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

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

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

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

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

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

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

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

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

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

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

3.1. Verification Team and ITR Selection

The appointment process of the verification team takes into account the technical area(s), sectoral scope(s), and relevant host country experience required amongst team members for the verification of the emission reductions achieved by the project activity in the relevant monitoring period for this verification. The relevant GS verification and previous ITR experiences are also assessed during the selection of the team members and Independent Technical Reviewer (ITR), respectively. The verification team and ITR are assigned to this verification activity on 04/04/2018 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*
Anıl Söyler	Team Leader	☒	☒	☒	A, DR, SV, R
Sukanta Das	ITR	☒	☒	☒	ITR

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

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

3.2. Desk Review of Documents

The basis for the verification activity is the monitoring report version 01, dated 26/04/2018 which was submitted to the verification team on 07/12/2017. This monitoring report was revised several times due to the issued CARs and CLs, version 03 dated 06/08/2018 being the final version. The monitoring report and the monitoring activities were assessed against the registered PDD, version 09 dated 08/04/2016, the ACM0002, version 16.0, the relevant CDM rules and regulations, CDM Validation and Verification Standard for project activities version 1.0, Gold Standard Toolkit version 1.0, crediting period renewal final validation report of RINA Services S.p.A., version 1.3Aa, dated 19/04/2016 and third verification report of Bureau Veritas India Pvt Ltd., version 02, dated 05/08/2017.

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	24/05/2018	
Location	Yuntdag / İzmir	
Participant	Company Name	Role in the Organization / Role in the Site Visit
İsa ALKAN	Dost Enerji A.Ş.	Plants Manager
Hamit ALPTEKİNOĞLU	Innores Elektrik Üretim A.Ş.	Operations Maintenance Manager
Anil SOYLER	Re Carbon Ltd.	Team Leader

Rüya BALCI	Life Enerji Ltd.	Consultant
Fariz TASDAN	Life Enerji Ltd.	Consultant
Ali TILKI	Koyuneli Village	Villager
Halil KARA	Koyuneli Village	Villager
Ramazan KARA	Koyuneli Village	Villager
Erdal KARAKUZU	Bayramcılar Village	Villager
Points Verified		Source of Information
Implementation and operation of the proposed CDM project activity as per the registered PDD		Document review, site visit and interviews
Review of information flows for generating, aggregating and reporting the monitoring parameters		Document review, site visit and interviews
Interviews with relevant personnel to confirm that the operational and data collection procedures are implemented in accordance with the monitoring plan in the PDD		Interviews
Cross-check between information provided in the monitoring report and data from other sources such as plant log books, inventories, purchase records or similar data sources		Document review and site visit
Check of the monitoring equipment including calibration performance and observations of monitoring practices against the requirements of the PDD and the selected methodology		Document review, site visit and interviews
Review of calculations and assumptions made in determining the GHG data and emission reductions		Document 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		Document review and interviews

3.4. Reporting of Findings via the Verification Protocol

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

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

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

According to these principles total of 17 CARs and 07 CLs were issued all of which are listed in the Verification Protocol. There hasn't been any FARs issued during the 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 Carbon Ltd. Verification Team members. These communications are backed up with objective evidences that were sent to the verification team as a proof of compliance. Concerns issued in the desk review, the on-site audit assessments and the follow up interviews and the responses provided for the issued concerns are documented in Annex 1 (Verification Protocol) to guarantee the transparency of the verification process.

Table 3-6: Timeline of verification activities

Activity	Date
Desk review started	07/05/2018
On site assessment	24/05/2018
1 st Protocol submission to client	01/06/2018
Various rounds of review with client	20/07/2018 - 06/08/2018
Closure of all CARs and CLs	10/08/2018
Submission for Technical Review	13/08/2018
Submission for final approval	14/08/2018
Final documents submitted to client	15/08/2018
Issuance of responses to Gold Standard initial review findings	04/09/2018

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 Carbon Ltd. 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 Gold Standard Organization 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

There is one FAR from the previous verification period as follows:

FAR#1: "The PP shall monitor the bird strikes more frequently to cover the next monitoring period as a whole. Onsite feedback shall be collected at least on a yearly basis. The verifying DOE shall check and validate the validity of the feedback on the next monitoring period."

- compensation for damaged trees due to capacity increase
- condition of village roads after construction.

The latest ornithology report dated as 29/12/2016 verification team on site visited local people from Şenbük Village nearest to the project site. No complaints were received during these discussions and the surrounding communities were found comfortable with the operation of the project activity. Besides that, the noise levels are within the legal limits as in the noise measurement report dated as 16/05/2014.

There hasn't been any observed road construction during the site visit and it was also confirmed by the PP's Operation Manager on signed and sealed letter that the current available roads during the construction have been utilized.

The photographic evidences were provided regarding the replacement of olive trees.

The first aid training certificate dated as 25/05/2014 was provided to DOE.

Thus, this FAR is closed.

4.2. Compliance of the Project Implementation with the Registered PDD

The project is fully implemented according to the description presented in the registered PDD. Based on the site visit it is confirmed that 24 Nordex N90 turbines, each having a capacity of 2.5 MW, are installed and the total project capacity is 60.0 MW.

Based on the site visit, EPIAS (previously PMUM) and TIEAS records, it is confirmed that all physical features of the project activity including data collecting systems and storage have been implemented in accordance with the registered PDD. The project activity is completely operational and the same has been confirmed based on official records.

According to the registered PDD, the estimated emission reduction for the current monitoring period is 121,835 tCO₂e. The actual amount of emission reduction achieved during the current monitoring period is 111,459 tCO₂e. The actual amount of emission reduction for the current monitoring period is less than the estimated emission reduction amount. The difference is small enough to be considered as a deviation from estimated data.

Besides that, The DOE has checked the I-REC Registry (<https://registry.irecservices.com/Public/ReportDevices/>), wherein only 3 projects from Turkey are listed, namely: Bagarasi Wind Power Plant, Bayramhacili HEPP and Gundogdu Wind Power Plant. Besides that, VCS project database (<http://vcsprojectdatabase.org/#/home>) was checked and this project isn't available within project database. Given that CDM projects are

not applicable in Turkey, no domestic REC scheme is implemented yet and the project does not appear on I-REC, it could be confirmed that no RECs are being issued for the project.

4.3. Compliance of the Monitoring Plan with the Monitoring Methodology

The monitoring plan is in accordance with the approved methodology, ACM0002, Version 16.0, applied by the project activity.

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

4.4. Compliance of the Monitoring with the Registered Monitoring Plan

The net electricity is measured continuously by a main meter at the grid interface and recorded monthly. There is also a cross-check control meter. The meters used are in line with the regulatory requirements for electricity meters (both were seen during the site visit) and the serial numbers are 4364955 and 4364956 for the main meters and back-up meters, respectively. The accuracy class of the meters is 0.5s as required by the relevant legal regulation for the power plants between 10 MW and 100 MW. The electricity meters have been controlled and maintained by the grid owner. The quantity of net electricity delivered to the grid has been calculated with the EPIAŞ (the financial settlement centre of TEIAS) records provided to the PP by TEIAS. All readings and billings are done via EPIAŞ system.

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. All the generation records were checked during site visit and there were no differences in data.

4.5. Completeness of Monitoring

All parameters required by the methodology and Gold Standard are monitored. In line with the methodology, the only information to be monitored is the amount of net electricity exported to the grid by the project activity. The sustainable development indicators indicated in the registered PDD are:

- Water quality and quantity
- Air quality
- Soil condition
- Biodiversity
- Quality of employment
- Human and institutional capacity
- Quantitative employment

As there are no missing parameters, monitoring is complete.

4.6. Sustainability Monitoring

Sustainability measures are in line with Section D.2.1.2 of the registered PDD. For verification of sustainability parameters in the current monitoring period, on site visit observations and interviews with local stakeholders were used.

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

Table 4-1: Sustainability monitoring parameters

SD Indicator	Chosen Parameter	Way of monitoring	Assessment
Water Quality and Quantity	Amount of wastewater transferred by sewage trucks	Records of transfer of waste water from the plant by sewage truck, if it was performed, will be used to demonstrate proper waste water management	There hasn't been any waste water transfer as in the signed and sealed letter by PP during the monitoring period. This is due to the low amount of waste water generation as stated by the plant manager.
Air quality	Amount of CO and NMVOC emissions	Amount of annual net electricity generation, which is calculated by monthly settlement notifications of PMUM based on monthly meter readings, will be used to calculate estimated CO and NMVOC emission reductions by project activity	The net electricity generation has been checked from the TEİAŞ records and the emission intensities of CO and NMVOC emissions due to electricity generation are taken as: 0.16 tons/GWh and 0.034 tons/GWh respectively, as fixed ex-ante in the PDD. The calculations have been correctly performed presenting the CO and NMVOC emission reductions corresponding to the monitoring period as 32.34 Tco and 6.91 Tnmvoc.
Soil condition	Waste collection activity	Letter from the municipality for the waste collection will be	The letter dated as 25/04/2018 by the Municipality of Bergama was provided to DOE.

SD Indicator	Chosen Parameter	Way of monitoring	Assessment
		provided.	
Biodiversity	Number of observed bird strikes	Letter from the mukhtar and ornithology reports will be provided	The ornithology report dated as 29/12/2016 was provided to DOE and it was confirmed by the experts that there hadn't been any observed carcass or injured bird during the mentioned bird monitoring period. The letters by the General Directorate of Nature Protection and National Parks about the termination of bird monitoring study dated as 18/01/2017 and by the Mukhtars of Koyuneli and Ismaili villages dated as 12/04/2018 and 13/04/2018 confirming about there hadn't been any carcass observed by them were also provided to DOE. Besides that, there hadn't been any complaints raised by the local stakeholders about this issue during the site visit.
Quality of employment (including job quality, fulfilment of labour standards)	Training records for all employees	Newly added training attendance list and/or certificates.	The basic fire security training record dated as 30/11/2017, health and safety training records dated as 10-14/02/2017, 30/03/2017 and 14/04/2017, working at height and rescue training record dated as 29-30/03/2018, turbine maintenance training record dated as 24-28/04/2018, first aid training record dated as 06-07/07/2017, working at height training record dated as 22-11-2017, operator training record dated as 01-08-2017 were submitted to DOE and thereby the DOE confirms that the information presented in the MR is correct.
Human and institutional capacity (including empowerment, education, involvement, gender)	Training records for local employees	Training records for the local workers will be provided such as occupational health and safety trainings, security training	Health and safety training records dated as 10-14/02/2017, 30/03/2017 and 14/04/2017, working at height and rescue training record dated as 29-30/03/2018, basic fire security training record dated as 30/11/2017 were submitted to DOE and these trainings were provided to local employees.

SD Indicator	Chosen Parameter	Way of monitoring	Assessment
		renewal cards etc.	
Quantitative employment (numbers)	Number of employees	Employment records	The project involves 10 local employees (3 on behalf of PP, 4 on behalf of security company, 1 on behalf of turbine company and 2 on behalf of electrical works subcontractor company) among 18 total employees including the subcontractors.

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

4.7. Compliance with the Calibration Frequency Requirements for Measuring Instruments

During validation calibrated meters were installed as per the regulations. Although, re-calibration is required after ten years, nevertheless, in case of irregular difference between main and cross-check spare meter, TEİAŞ responsible are informed for intervention. TEİAŞ is responsible for calibration and maintenance of the devices.

All documents regarding meter quality and approvals/acceptance have been presented for the second verification. The meter controls were handled on 26-03-2017 and 28-04-2018 covering the monitoring period of the 2nd crediting period.

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

4.8. Assessment of Data and Calculation of Emission Reductions

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

Table 4-2: Net electricity generation

Period	Amount	Compliance check
01/04/2017– 31/12/2017	Export to Grid: 147,277.71 MWh Import from Grid: 190.15 MWh Net electricity supplied to grid: 6147,087.56 MWh	Monthly EPIAŞ records
01/01/2018 – 30/04/2018	Export to Grid: 54,892.25 MWh Import from Grid: 97.76 MWh Net electricity supplied to grid: 54,794.49 MWh	Monthly EPIAŞ records

DOE confirms that the data used for emission reductions are correct. The grid emission factor taken is 0.5521 Tco₂/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 available before validation are also applied in line with the PDD and baseline excel sheet for validation.

4.9. Quality of Evidence

According to the PDD the estimated emission reduction for this monitoring period would be 121,835 Tco₂e. However, the project in operation reached 111,459 Tco₂e in this period. The vintage break-up of the emission reductions during the current monitoring period was as follows in Table 4-3 below:

Table 4-3: Emission reduction

Period	Emission reductions (Tco ₂ e)
01/04/2017– 31/12/2017	81,207
01/01/2018 – 30/04/2018	30,252

Calculations have been reproduced by DOE and the source data (TEIAS meter readings and EPIAŞ records) are presented by PP.

4.10. Management System and Quality Assurance

There are two meters attached to the power plant for measurement of the generated electricity, which were installed to the plant. The meters used in the power house are in line with the EMRA requirements for electricity meters. Both the meters are bi-directional (meter the energy in two directions – consumption and production). 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 according to the local standards.

4.11. Materiality

Verification DOE checked all data set (EPIAŞ records from 01/04/2017 – 30/04/2018) 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” version 02.0. To guarantee this level of assurance all data that is used in the GHG emission reduction calculations have been reviewed without any sampling.

4.12. Verification of Sampling Plan

No sampling approach is used.

4.13. Post Registration Changes

4.13.1. Temporary deviations

N/A.

4.13.2. Corrections

N/A.

4.13.3. Changes to the start date of the crediting period

N/A.

4.13.4. Permanent changes

N/A.

4.13.5. Changes to the project design

N/A.

5. LIST OF PERSONS INTERVIEWED

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

Table 5-1: List of persons interviewed

Reference Number	Means of Interview ¹	Full Name	Title	Organization
I01	SV	İsa ALKAN	Plants Manager	Dost Enerji A.Ş.
I02	SV	Hamit ALPTEKİNOĞLU	Operations Maintenance Manager	Innores Elektrik Üretim A.Ş.
I03	SV	Anil SOYLER	Team Leader	Re Carbon Ltd.
I04	SV	Rüya BALCI	Consultant	Life Enerji Ltd.
I05	SV	Fariz TASDAN	Consultant	Life Enerji Ltd.
I06	SV	Ali TILKİ	Villager	Koyuneli Village
I07	SV	Halil KARA	Villager	Koyuneli Village
I08	SV	Ramazan KARA	Villager	Koyuneli Village
I09	SV	Erdal KARAKUZU	Villager	Bayramcılar 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	PDD 'Yuntdağ Wind Power Project, Turkey'	06	08/04/2016
D02	ACM0002	16.0	
D03	Verification Service Agreement	-	09/04/2018
D04	Monitoring Report	01	26/04/2018
D05	Monitoring Report	02	04/07/2018
D06	Monitoring Report	03	06/08/2018
D07	ER Excel Spreadsheet Calculations	01	26/04/2018
D08	ER Excel Spreadsheet Calculations	02	04/07/2018
D09	ER Excel Spreadsheet Calculations	03	06/08/2018
D10	CDM Validation and Verification Standard for Project Activities	1.0	03/03/2017
D11	CDM Project Standard for Project Activities	1.0	03/03/2017
D12	CDM Project Cycle Procedure for Project Activities	1.0	03/03/2017
D13	Gold Standard (GS) Toolkit	1.0	-
D14	CP Renewal Validation Report of RINA Services S.p.A	1.3Aa	19/04/2016
D15	Third Verification Report of Bureau Veritas India Pvt Ltd.	02	05/08/2017
D16	GS 3-Week Issuance Review Document	-	06/11/2017
D17	TEIAS Electricity Generation Records	-	04/2017-04/2018
D18	EPIAS Screenshots	-	04/2017-04/2018
D19	Project Single Line Diagram	-	-
D20	Communications with GS	-	28/04/2017 – 10/08/2017
D21	Project's Noise Individual Exposure Report	-	05/04/2018
D22	Complaint Notebook Submission Letter to Senbuk Village Head	-	09/01/2018
D23	Letter by the General Directorate of Nature Protection and National Parks About the Termination of Bird Monitoring Study	-	18/01/2017
D24	Letters by the Mukhtars of Koyuneli and Ismailli villages confirming about there hadn't been any		12/04/2017 13/04/2017

Document Number	Document Name	Version	Date (dd/mm/yyyy)
	carcass observed by them		
D25	Meter Test Reports	-	26/03/2017 29/04/2018
D26	Wastewater Transfer Records		04/02/2014 18/08/2014 12/06/2015
D27	Letter by the Ministry of Bergama on Domestic Waste Collection	-	25/04/2018
D28	Letter by the PP About No Transfer of Wastewater	-	24/05/2018
D29	Ornithological Bird Monitoring Autumn Report	-	29/12/2016
D30	Training Records of PP Site Staff	-	30/03/2017 14/04/2017 07/07/2017 01/08/2017 22/11/2017 20-24/04/2018
D31	Social Security Records of PP Site Staff and Its Subcontractors	-	-
D32	Site Visit Photos	-	24/05/2018

7. VERIFICATION TEAM AND ITR COMPETENCE

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 9 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 Team Leader and Certification Manager in the context of Re Carbon.

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 Carbon.

7.1. Appointment Certificates

Re Carbon Gözetim Denetim ve Belgelendirme Ltd. Şti. Raç'le Plaza Mülheim Yazıcıoğlu Cad. 43/11 TR / 08520 Balgat-Ankara Tel.: 0300-312 287 5122 Fax: 0300-312-287 3373	Certificate of Appointment	
	Carbon Division	Page: 1/1

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

Clean Development Mechanism				
Validator	Verifier	Team leader	Technical reviewer	Technical Expert
05-05-2017	05-05-2017	N/A	N/A	05-05-2017

Verified Carbon Standard, Gold Standard, World Commission on Dams, Social Carbon				
Validator	Verifier	Team leader	Technical reviewer	Technical Expert
05-05-2017	05-05-2017	05-05-2017	N/A	05-05-2017

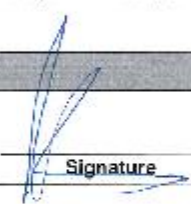
Speciality	Regional expertise	Financial expertise	Technical area
N/A	Turkey, China and Saudi Arabia	N/A	1.2 and 13.1

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

1. Participate in the assessments conducted by Re Carbon 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 person'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	05-05-2017	
Name	Position	Date	Signature

RC-053/03/18/017-00



Re Carbon Gőzallım Denetim ve Belgelendirme Ltd. Şti. Bağlıs Plaza Muhsin Yazıcıoğlu Cad. 43/11 TR / 08520 Balgat-Ankara Tel: 0090-312-267 5122 Fax: 0090-312-267 3373	Certificate of Appointment	
	Carbon Division	

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
05-05-2017	05-05-2017	05-05-2017	05-05-2017	05-05-2017

Verified Carbon Standard, Gold Standard, World Commission on Dams, Social Carbon				
Validator	Verifier	Team leader	Technical reviewer	Technical Expert
05-05-2017	05-05-2017	05-05-2017	05-05-2017	05-05-2017

Speciality	Regional expertise	Financial expertise	Technical area
N/A	Saudi Arabia, Morocco and India	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 Carbon 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. ANI SÖYLER	Certification Manager	05-05-2017	
Name	Position	Date	Signature



8. VERIFICATION AND CERTIFICATION OPINION

Re Carbon Ltd. has performed 2nd periodic verification of Gold Standard project “Yuntdağ Wind Power Project, Turkey” which is a project with the registry reference number “GS 733” for the period between 01/04/2017 and 30/04/2018. The scope of the activities covers the verification and certification of GHG emissions reductions reported in Monitoring Report version 03 dated 06/08/2018 of “Yuntdağ Wind Power Project, Turkey”.

Life İklim ve Enerji Ltd. Şti. as consultant to Innorec Elektrik Üretim A.Ş. are 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 registered 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 03.

The verification has been performed by a verification team consisting of “Anıl Söyler as team leader 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 for Project Activities, version 1.0, CDM Project Standard for Project Activities, version 1.0, and CDM Project Cycle Procedure for Project Activities, version 1.0 and GS version 1.0.

Re Carbon Ltd. hereby confirms that the project activity “Yuntdağ Wind Power Project, Turkey” in Turkey, is implemented in accordance with the validated and registered PDD version 06 dated 08/04/2016. 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 16.0.

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

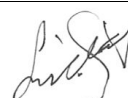
Project Title	Yuntdağ Wind Power Project, Turkey
Applicable Period	2 nd Monitoring Period (01/04/2017 to 30/04/2018 both days included)
Baseline Emissions	01/04/2017 – 31/12/2017: 81,207 tCO ₂ e; 01/01/2018 – 30/04/2018: 30,252; Total: 111,459 tCO ₂ e
Project Emissions	0 tCO ₂ e
Leakage Emissions	0 tCO ₂ e
Emission Reductions	01/04/2017 – 31/12/2017: 81,207 tCO ₂ e; 01/01/2018 – 30/04/2018: 30,252; Total: 111,459 tCO ₂ e



Anıl SÖYLER
Team Leader
04.09.2018



Sukanta DAS
ITR
04.09.2018



Anıl SÖYLER
Certification Manager
04.09.2018

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?	GS4GG-MR-FORM version 1	DR	Please see below.	OK	OK
1.1. Title of the project;	GS4GG-MR-FORM version 1	DR	Yes, title of the project (Yuntdağ Wind Power Project, Turkey) is available.	OK	OK
1.2. Gold Standard project id;	GS4GG-MR-FORM version 1	DR	Yes, Gold Standard ID (GS 322) is available.	OK	OK
1.3. Version number of the monitoring report;	GS4GG-MR-FORM version 1	DR	Yes, the version number is available.	OK	OK
1.4. Completion date of the monitoring report (DD/MM/YYYY);	GS4GG-MR-FORM version 1	DR	Yes, completion date (26/04/2018) of initial version is available.	OK	OK
1.5. Date of the project design certification (DD/MM/YYYY);	GS4GG-MR-FORM version 1	DR	No, project design certification date isn't available in the cover page.	CAR-1	
1.6. Start date of crediting period	GS4GG-MR-FORM version 1	DR	No, the start date of crediting period is wrong in the cover page.	CAR-2	
1.7. Duration of this monitoring period (DD/MM/YYYY– DD/MM/YYYY);	GS4GG-MR-FORM version 1	DR	Yes, duration of this monitoring period is available.	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
1.8. Duration of previous monitoring period (DD/MM/YYYY– DD/MM/YYYY);	GS4GG-MR-FORM version 1	DR	Yes, duration of previous monitoring period is available.	OK	OK
1.9. Project representative(s);	GS4GG-MR-FORM version 1	DR	Yes, PP is available.	OK	OK
1.10. Host Party;	GS4GG-MR-FORM version 1	DR	Yes, Host Party is available.	OK	OK
1.11. Certification pathway (activity certification/impact certification);	GS4GG-MR-FORM version 1	DR	No, certification pathway is stated wrongly in the cover page.	CAR-3	
1.12. SDG Contributions targeted (as per approved PDD);	GS4GG-MR-FORM version 1	DR	Yes, it is stated as SDG 13, SDG 7 and SDG 8.	OK	OK
1.13. Gold Standard statement/product certification sought (GSVER/ADALYs/RECs etc.)	GS4GG-MR-FORM version 1	DR	Yes, it is stated as GS VER in the cover page.	OK	OK
1.14. Selected methodology(ies);	GS4GG-MR-FORM version 1	DR	Yes, selected methodology and version are stated correctly.	OK	OK
1.15. Estimated amount of annual average certified SDG impact (as per approved PDD);	GS4GG-MR-FORM version 1	DR	Yes, the estimated amount of annual average certified SDG impact is stated correctly.	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
1.16.Total amount of certified SDG impact (as per approved methodology) achieved in this monitoring period;	GS4GG-MR-FORM version 1	DR	Yes, the achieved amount of annual average certified SDG impact in this monitoring period is stated correctly.	OK	OK
A. Description of project					
A.1. Purpose and general description of project					
A.1.1. Has a brief summary of the detailed description given in the section B.1 provided under section A.1of the MR?	GS4GG-MR-FORM version 1	DR	Yes, the brief summary is available in Section A.1.	OK	OK
A.1.2. Has the purpose of the project and the measures taken to reduce greenhouse gas emissions been provided under section A.1 of the MR?	GS4GG-MR-FORM version 1	DR	Yes, purpose and the measures taken to reduce greenhouse gas emissions are available in Section A.1.	OK	OK
A.1.3. Has a brief description of the installed technology and equipments been provided under section A.1 of the MR?	GS4GG-MR-FORM version 1	DR	Yes, brief description of the installed technology and equipment are available under section A.1	OK	OK
A.1.4. Has the relevant dates for the project activity (e.g. construction, commissioning,	GS4GG-MR-FORM version 1	DR	No, the relevant dates for the project activity (e.g. construction, commissioning, continued operation periods, etc.) aren't available in Section A.1.	CAR-4	

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
continued operation periods, etc.) been provided under section A.1 of the MR?					
A.2. Location of project					
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?	GS4GG-MR-FORM version 1	DR	Yes, the location of the project activity including the turbine coordinates is provided in Section A.2.	OK	OK
A.3. Reference of applied methodology					
A.3.1. Has a complete reference of the methodology applied been provided under section A.3 including the version numbers and titles?	GS4GG-MR-FORM version 1	DR	Yes, the methodology and referred tools in the registered PDD are given in Section A.3.	OK	OK
A.4. Crediting period of project					
A.4.1. Has the crediting period including the	GS4GG-MR-FORM	DR	Yes, the crediting period including the crediting period start date, choice and length of the crediting period are given in Section A.4.	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
crediting period start date, choice and length of the crediting period been provided under section A.4 of the MR?	version 1				
B. Implementation of project					
B.1. Description of implemented project					
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?	GS4GG-MR-FORM version 1 EB93 Report Annex 4 §257a	DR	Yes, the installed technology(ies), technical process and equipment, including the diagrams, where appropriate, been included in section B.1.	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?	EB93 Report Annex 4 §257b	DR	Yes, this information is available.	OK	OK
B.1.3. If the project activity consists of more than one site, has the status of	EB93 Report Annex 4 §257b	DR	N/A (The project consists of 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
implementation and starting date of operation for each site been clearly described under section B.1 of the MR?					
B.1.4. If the implementation of the project planned to be realized in different phases, has the progress of the proposed GS project achieved in each phase been indicated under section B.1 of the MR?	EB93 Report Annex 4 §257b	DR	N/A	OK	OK
B.1.5. Do the actual project and its operation comply with the registered PDD?	EB93 Report Annex 5 §357a	DR	Yes, the project complies with the registered PDD.	OK	OK
B.1.6. Have the PPs implemented and operated the GS project as per the descriptions contained in the registered PDD?	EB93 Report Annex 5 §357a	DR	Yes, it can be concluded that the PPs implemented and operated the GS project as per the descriptions contained in the registered PDD.	OK	OK
B.2. Post registration changes					
B.2.1. Temporary deviations from registered monitoring plan, applied methodology or applied standardized baseline					

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
B.2.1.1. Is it indicated whether any temporary deviations have been applied during this monitoring period?	EB93 Report Annex 4 §232 EB93 Report Annex 5 §282 GS4GG-MR-FORM version 1	DR	N/A	OK	OK
B.2.1.2. If there are temporary deviations from the registered monitoring plan or applied methodology or standardized baseline, have PPs described the nature, extent and duration of the non-conforming monitoring and the proposed alternative monitoring of the project activity in the MR?	EB93 Report Annex 4 §232 GS4GG-MR-FORM version 1	DR	N/A	OK	OK
B.2.1.3. If there are temporary deviations from the registered monitoring plan or applied methodology or standardized baseline, do the description of deviations include the following?	GS4GG-MR-FORM version 1	DR	N/A	OK	OK
B.2.1.3.1. How it deviates from the	GS4GG-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
monitoring plan and/or applied methodology(ies),	version 1				
B.2.1.3.2. The duration for which the deviation(s) is(are) applicable	GS4GG-MR-FORM version 1	DR	N/A	OK	OK
B.2.1.3.3. Justification on the conservativeness of the approach.	GS4GG-MR-FORM version 1	DR	N/A	OK	OK
B.2.1.4. If there are temporary deviations from the registered monitoring plan or applied methodology or standardized baseline, have PPs applied conservative assumptions or discount factors to the calculations to the extent required to ensure that GHG emission reductions will not be over-estimated as a result of the deviation?	EB93 Report Annex 4 §232a EB93 Report Annex 5 §284	DR	N/A	OK	OK
B.2.1.5. If there are temporary deviations	EB93 Report Annex 5	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
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?	§284				
B.2.1.6. If the deviation(s) require prior approval by GS-TAC, do they include the date of approval and reference number?	GS4GG-MR-FORM version 1	DR	N/A	OK	OK
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?	GS4GG-MR-FORM version 1 EB93 Report Annex 4 §233	DR	N/A	OK	OK
B.2.2.2. If the correction(s) and the revised	GS4GG-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
PDD are approved prior to the submission of this monitoring report for request for issuance, are the approval date and reference number provided?	version 1				
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?	GS4GG-MR-FORM version 1	DR	N/A	OK	OK
B.2.2.4. Is the corrected information an accurate reflection of actual project information?	EB93 Report Annex 5 §288a	DR	N/A	OK	OK
B.2.2.5. Are the corrected parameters in accordance with the applied methodology, selected monitoring plan and/or the applied standardized baseline?	EB93 Report Annex 5 §288b	DR	N/A	OK	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
B.2.3. Changes to start date of crediting period					
B.2.3.1. 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 monitoring report?	EB93 Report Annex 4 §236 §237 EB93 Report Annex 5 §290	DR	N/A	OK	OK
B.2.3.2. Have the changes been notified to the GS by the PPs?	EB93 Report Annex 4 §235	DR	N/A	OK	OK
B.2.3.3. 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?	GS4GG-MR-FORM version 1	DR	N/A	OK	OK
B.2.4. Permanent changes from registered monitoring plan, applied methodology					

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
or applied standardized baseline					
B.2.5.1 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?	GS4GG-MR-FORM version 1 EB93 Report Annex 4 §239	DR	N/A	OK	OK
B.2.5.2 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?	EB93 Report Annex 5 §296	DR	N/A	OK	OK
B.2.5.3 Do the changes reduce the level of accuracy of the monitoring compared with the requirements contained in the registered monitoring plan?	EB93 Report Annex 5 §297	DR	N/A	OK	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
B.2.5.4 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?	EB93 Report Annex 5 §298	DR	N/A	OK	OK
B.2.5.5 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?	GS4GG-MR-FORM version 1	DR	N/A	OK	OK
B.2.5.6 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	GS4GG-MR-FORM version 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
revised PDD provided?					
B.2.5. Changes to project design of approved project					
B.2.5.1. Are there proposed or actual changes to the project design of the approved project?	GS4GG-MR-FORM version 1	DR	N/A	OK	OK
B.2.5.2. Is the change to the design of the project has been approved by GS-TAC?	GS4GG-MR-FORM version 1	DR	N/A	OK	OK
B.2.5.3. In case of actual changes, does the description of actual changes accurately reflect the implementation, operation and monitoring of the modified project?	EB93 Report Annex 5 §301	DR	N/A	OK	OK
B.2.5.4. Do the actual changes comply with the monitoring plan, the applied monitoring methodology and tools	EB93 Report Annex 5 §302	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
and/or, where applicable, the applied standardized baseline, and/or the level of accuracy of the monitoring activity?					
C. Description of monitoring system applied by the project					
C.1. Has a description of the monitoring system been provided under section C of the MR?	GS4GG-MR-FORM version 1 EB93 Report Annex 4 §259	DR	Please see in below.	OK	OK
C.2. Has information about the data collection procedures, including following been provided under section C of the MR?	GS4GG-MR-FORM version 1 EB93 Report Annex 4 §259	DR	Please see in below.	OK	OK
C.2.1. Information flow including data generation		DR	Yes, information flow including data generation has been provided in Section C.	OK	OK
C.2.2. Data aggregation		DR	Yes, data aggregation process has been provided in Section C.	OK	OK
C.2.3. Data recording		DR	Yes, data recording process has been provided in Section C.	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
C.2.4. Data calculation		DR	Yes, data calculation process has been provided in Section C.	OK	OK
C.2.5. Data reporting		DR	Yes, data reporting process has been provided in Section C.	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?	GS4GG-MR-FORM version 1 EB93 Report Annex 4 §259	DR	Yes, the organizational structure, roles and responsibilities of personnel, and emergency procedures for the monitoring system has been provided in section C.	OK	OK
C.4. Regarding to the management and operational system, are the responsibilities and authorities for monitoring and reporting in accordance with the responsibilities and authorities stated in the monitoring plan?	EB93 Report Annex 5 §364b-(iv)	DR	Yes, responsibilities and authorities for monitoring comply with the registered monitoring plan but please clarify if PMUM is still applicable.	CL-1	
C.5. Have quality assurance and quality control procedures been applied in accordance with the monitoring plan?	EB93 Report Annex 5 §364e	DR	Yes, quality assurance and quality control procedures comply with the registered monitoring plan	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 EB93 Report Annex 4 §259	DR	No, line diagram hasn't been provided in Section C.	CAR-5	
C.7. Have the monitoring plan been properly	EB93 Report Annex 5	DR	Regarding the sustainability monitoring, the following have been	CL-2	

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
implemented and followed by the PPs?	§364a		determined: a) It was stated by the plant manager that there hasn't been any waste water transfer during the monitoring period due to the low amount of waste water generation, but the signed and sealed letter on the company letterhead shall be provided. b) The ornithology reports prepared by the experts shall be provided. c) The social security records of the employees including the ones proving the local employment (including the subcontractors like Güngör Elektrik and Securitas) shall be provided. d) The number and distribution of local employees shall also be provided. e) The training records and certificates of the trainings given to the local employees shall be provided.		
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?	EB93 Report Annex 5 §364b-(i)-(ii)-(iii)	DR	Yes, it can be stated that the monitoring of parameters has been implemented in accordance with the monitoring plan but please see CL-1, CL-2 and CAR-5.	CL-1 CL-2 CAR-5	

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
C.9. Have all parameters stated in the monitoring plan, the applied methodology and relevant TAC decisions been sufficiently monitored and updated as applicable?	EB93 Report Annex 5 §364b	DR	Please see CL-1, CL-2 and CAR-5.	CL-1 CL-2 CAR-5	
C.10. Are monitoring results consistently recorded and stored as per the approved frequency?	EB93 Report Annex 5 §364d	DR	Please see CL-1, CL-2 and CAR-5.	CL-1 CL-2 CAR-5	
D. Data and Parameters					
D.1. Data and parameters fixed ex ante or at renewal of crediting period					
D.1.1. Has all the data that is determined only once for the crediting period but are used after registration of the project, been listed under section D.1 using the tabular format?	GS4GG-MR-FORM version 1	DR	Yes, all data and parameters fixed ex ante are available in Section D.1.	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	GS4GG-MR-FORM version 1	DR	Yes, all data and parameters fixed ex ante are available in Section D.1.	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
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?					
D.1.3. In the data/parameter tables provided under section D.1 of the MR, for each SDG Indicator given in accordance with the approved PDD?	GS4GG-MR-FORM version 1	DR	Yes, the SDG indicator information is available in Section D.1.	OK	OK
D.1.4. 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 approved PDD and the applied approved methodology?	GS4GG-MR-FORM version 1	DR	Yes, the name of the data/parameters fixed ex ante is available in Section D.1.	OK	OK
D.1.5. 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 approved PDD and the applied approved	GS4GG-MR-FORM version 1	DR	Yes, the unit of the data/parameters fixed ex ante is available in Section D.1.	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
methodology?					
D.1.6. In the data/parameter tables provided under section D.1 of the MR, for each data has the description of the data/parameters given in accordance with the approved PDD and the applied approved methodology?	GS4GG-MR-FORM version 1	DR	Yes, the description of the data/parameters fixed ex ante is available in Section D.1.	OK	OK
D.1.7. 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 approved PDD and the applied approved methodology?	GS4GG-MR-FORM version 1	DR	Yes, the source of the data/parameters fixed ex ante is available in Section D.1.	OK	OK
D.1.8. 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 approved PDD and the applied approved methodology?	GS4GG-MR-FORM version 1	DR	Yes, the values applied of the data/parameters fixed ex ante are available in Section D.1.	OK	OK
D.1.9. In the data/parameter tables provided	GS4GG-MR-FORM	DR	Yes, the measurement methods and procedures of the data/parameters fixed ex ante are available in Section D.1.	OK	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
under section D.1 of the MR, for each data has it been indicated what measurement methods and procedures have been used?	version 1				
D.1.10. 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)?	GS4GG-MR-FORM version 1	DR	No, the purpose of the data/parameters fixed ex ante isn't available in Section D.1.	CAR-6	
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?	GS4GG-MR-FORM version 1	DR	Yes, but please see CL-2.	CL-2	
D.2.2. In the data/parameter tables provided under section D.2 of the MR, for each data has the name of the SDG Indicator and data/parameters given in accordance with the approved PDD and the applied	GS4GG-MR-FORM version 1	DR	No, it isn't clear why it has been referred to SDG-7 in the cover page and which data/parameter is related with the SDG-7.	CL-3	

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

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?	GS4GG-MR-FORM version 1	DR	The unit of the parameter is MWh.	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?	GS4GG-MR-FORM version 1	DR	Yes, it has been described that how the data is monitored for each data / parameter.	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.)?	GS4GG-MR-FORM version 1	DR	Yes, the source is available.	OK	OK
D.2.6. In the data/parameter tables provided under section D.2 of the MR, for each data has the values of the monitoring	GS4GG-MR-FORM version 1	DR	No, the value of monitoring parameter is wrong. Besides that, The vintage wise data isn't available in Section D.2.	CAR-7	

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
parameter been indicated?					
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?	GS4GG-MR-FORM version 1	DR	pLEA		
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?	GS4GG-MR-FORM version 1	DR			
D.2.8.1. Details on accuracy class	GS4GG-MR-FORM version 1	DR	It is not clear why the accuracy class of the meters is 0.5s.	CL-4	
D.2.8.2. Calibration frequency	GS4GG-MR-FORM version 1	DR	The calibration frequency of the meters hasn't been provided.	CAR-8	
D.2.8.3. Serial number	GS4GG-MR-FORM version 1	DR	Yes, the serial numbers of both meters are available.	OK	OK
D.2.8.4. Calibration date	GS4GG-MR-FORM version 1	DR	Yes, the calibration date is available but the provide date is before the monitoring period. Besides that, the calibration and test certificates haven't been provided.	CAR-9	
D.2.8.5. Validity of the calibration	GS4GG-MR-FORM version 1		Please see CAR-9.	CAR-9	

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
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?	GS4GG-MR-FORM version 1	DR	Please see CAR-8 and CAR-9.	CAR-8 CAR-9	
D.2.10. Is the calibration frequency for measuring equipments specified in the monitoring methodology, in the applied standardized baselines or in the monitoring plan?	EB93 Report Annex 5 §368	DR	Please see CAR-8 and CAR-9.	CAR-8 CAR-9	
D.2.11. If the calibration frequency for measuring equipments isn't specified in the monitoring methodology, in the applied standardized baselines or the monitoring plan, are the equipments calibrated either in accordance with the specifications of the local/national standards, or as per the manufacturer's specification?	EB93 Report Annex 5 §373	DR	Please see CAR-8 and CAR-9.	CAR-8 CAR-9	
D.2.12. If neither local/national standards nor the manufacturer's specification are available, have the international	EB93 Report Annex 5 §373	DR	Please see CAR-8 and CAR-9.	CAR-8 CAR-9	

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
standards been used?					
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?	EB93 Report Annex 5 §374	DR	Please see CAR-8 and CAR-9.	CAR-8 CAR-9	
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?	EB93 Report Annex 5 §369	DR	Please see CAR-8 and CAR-9.	CAR-8 CAR-9	
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?	EB93 Report Annex 5 §369	DR	Please see CAR-8 and CAR-9.	CAR-8 CAR-9	

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
D.2.8.1. Applying the maximum permissible error of the instrument to the measured values taken during the period between the scheduled date of calibration and the actual date of calibration, if the results of the delayed calibration do not show any errors in the measuring equipment, or if the error is smaller than the maximum permissible error; or	EB93 Report Annex 5 §369a	DR	Please see CAR-8 and CAR-9.	CAR-8 CAR-9	
D.2.8.2. Applying the error identified in the delayed calibration test, if the error is beyond the maximum permissible error of the measuring equipment.	EB93 Report Annex 5 §369b	DR	Please see CAR-8 and CAR-9.	CAR-8 CAR-9	
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	EB93 Report Annex 5 §370	DR	Please see CAR-8 and CAR-9.	CAR-8 CAR-9	

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
following ways?					
D.2.16.1. The adjusted measured values of the delayed calibration result in fewer claimed emission reductions?	EB93 Report Annex 5 §370a	DR	Please see CAR-8 and CAR-9.	CAR-8 CAR-9	
D.2.16.2. For all measured values taken during the period between the scheduled date of calibration and the actual date of calibration?	EB93 Report Annex 5 §370b	DR	Please see CAR-8 and CAR-9.	CAR-8 CAR-9	
D.2.17. If the results of the delayed calibration aren't available, have Pss calculated the emission reductions conservatively?	EB93 Report Annex 5 §371	DR	Please see CAR-8 and CAR-9.	CAR-8 CAR-9	
D.2.18. If the results of the delayed calibration aren't available, have post registration requirements been followed by the PPs?	EB93 Report Annex 5 §372	DR	Please see CAR-8 and CAR-9.	CAR-8 CAR-9	
D.2.19. 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	GS4GG-MR-FORM version 1	DR	Yes, EG,y (Annual net electricity generation) is the data monitoring parameter.	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
given in detail in the MR?					
D.2.20. 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?	GS4GG-MR-FORM version 1 EB93 Report Annex 4 §260	DR	Yes, EG,y (Annual net electricity generation) is the data monitoring parameter.	OK	OK
D.2.21. Is a complete set of data available for the specified monitoring period?	EB93 Report Annex 5 §376	DR	Yes, the complete data set is available.	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 the sampling for those data and parameters according to the sampling	GS4GG-MR-FORM version 1 EB94 Report Annex 2 EB86 Report Annex 4	DR	N/A	OK	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
plan been provided?					
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? (• •	GS4GG-MR-FORM version 1 EB94 Report Annex 2 §29 §30 §31 §32 §33	DR	N/A	OK	OK
D.3.2.1. Description of implemented sampling design;	GS4GG-MR-FORM version 1	DR	N/A	OK	OK
D.3.2.2. Collected data (electronic spreadsheets may be attached and referenced);	GS4GG-MR-FORM version 1	DR	N/A	OK	OK
D.3.2.3. Analysis of the collected data;	GS4GG-MR-FORM version 1	DR	N/A	OK	OK
D.3.2.4. Demonstration on whether the required confidence/precision has been met.	GS4GG-MR-FORM version 1	DR	N/A	OK	OK
E. Calculation of SDG Outcomes					

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
E.1. Calculation of baseline value or estimation of baseline situation of each SDG outcome					
E.1.1. Has all the formulae used to calculate the baseline value been provided under section E.1 of the MR?	GS4GG-MR-FORM version 1	DR	No, the formulae used to calculate the baseline value hasn't been provided under section E.1 of the MR.	CAR-10	
E.1.2. Has sample calculations for all formulae used and calculation of baseline values been provided under section E.1 of the MR?	GS4GG-MR-FORM version 1	DR	No, the sample calculation for the calculation of baseline emissions is missing.	CAR-11	
E.1.3. Has all electronic spreadsheets to present full calculations in the monitoring report been attached?	GS4GG-MR-FORM version 1	DR	Yes, Excel calculation spreadsheet is available but the following findings have been determined: a) The unit of EF in Excel calculation is wrong. b) April 2018 EPIAS screenshot hasn't been provided. c) Please state the reason of small differences between TEIAS meter readings and EPIAS values. d) Total emission reductions values haven't been provided as an integer value.	CAR-12	
E.1.4. Have any assumptions used in baseline calculations been justified?	EB93 Report Annex 5 §376d	DR	N/A	OK	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
E.1.5. If applicable, are the appropriate factors used for the baseline calculations in line with the good guidance practices? (e.g. IPCC default values and other reference values)	EB93 Report Annex 5 §376e	DR	N/A	OK	OK
E.2. Calculation of project value or estimation of project situation of each SDG outcome					
E.2.1. Has all the formulae used to calculate the project value been provided under section E.2 of the MR?	GS4GG-MR-FORM version 1	DR	N/A	OK	OK
E.2.2. Has sample calculations for all formulae used and calculation of project values been provided under section E.2 of the MR?	GS4GG-MR-FORM version 1	DR	N/A	OK	OK
E.2.3. Has all electronic spreadsheets to present full calculations in the monitoring report been attached?	GS4GG-MR-FORM version 1	DR	N/A	OK	OK
E.2.4. Have any assumptions used in project	EB93 Report Annex 5 §376d	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
calculations been justified?					
E.2.5. If applicable, are the appropriate factors used for the project calculations in line with the good guidance practices? (e.g. IPCC default values and other reference values)	EB93 Report Annex 5 §376e	DR	N/A	OK	OK
E.3. Calculation of net benefits as difference of baseline and project values or direct calculation for each SDG outcome					
E.3.1. Has all the net benefits as difference of baseline and project values or direct calculations for each SDG outcome provided under section E.3 of the MR?	GS4GG-MR-FORM version 1	DR	The following findings have been determined: a) The amount of CO and NMVOC are wrong as baseline estimate, project estimate and net benefit. b) The amount of EG,y (Annual net electricity generation) and the associated CO2 emissions haven't been provided as baseline estimate, project estimate and net benefit. Please also see CL-2.	CAR-13 CL-2	
E.3.2. Has all electronic spreadsheets to present full calculations in the monitoring report been attached?	GS4GG-MR-FORM version 1	DR	Yes, Excel calculation spreadsheet is available.	OK	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
E.4. Summary of ex-post values of each SDG outcome for the current monitoring period					
E.4.1. Have the total baseline estimate for each SDG outcome during the monitoring period been given under section E.4 of the MR?	GS4GG-MR-FORM version 1	DR	a) The ex-post values of baseline estimate, project estimate and net benefit for all data / parameters (like EG,y (Annual net electricity generation) haven't been provided. b) The expost values of baseline estimate, project estimate and net benefit for some data / parameters (like CO and NMVOC) are wrong.	CAR-14	
E.4.2. Has the total project estimate for each SDG outcome during the monitoring period been given under section E.4 of the MR?	GS4GG-MR-FORM version 1	DR	Please see CAR-14.	CAR-14	
E.4.3. Has the net benefit for each SDG outcome during the monitoring period been given under section E.4 of the MR?	GS4GG-MR-FORM version 1	DR	Please see CAR-14.	CAR-14	
E.5. Comparison of actual value of outcomes with					

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
estimates in approved PDD					
E.5.1. Has a comparison of actual values of the SDG outcome of the project achieved during the monitoring period with the estimations in the approved PDD been given under section E.5 of the MR?	GS4GG-MR-FORM version 1 EB93 Report Annex 4 §268	DR	a) The comparison of actual value of outcomes with estimates in approved PDD for all data / parameters (like EG,y (Annual net electricity generation) haven't been provided. b) The comparison of actual value of outcomes with estimates in approved PDD for some data / parameters (like CO and NMVOC) are wrong.	CAR-15	
E.5.2. If the comparison of actual values of the SDG outcome of the project achieved during the monitoring period with the estimations in the approved PDD is given under section E.5 of the MR, has this comparison been given using the tabular format provided?	GS4GG-MR-FORM version 1	DR	Please see CAR-15.	CAR-15	
E.6. Remarks on difference from estimated value in approved PDD					
E.6.1. Has an explanation of the cause of any increase in the actual values achieved during the current monitoring period (e.g. higher water availability, higher load	GS4GG-MR-FORM version 1	DR	a) The remarks on difference from estimated value in approved PDD for all data / parameters (like EG,y (Annual net electricity generation) including vintage wise difference haven't been provided.	CAR-16	

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
plant factor, etc.), including all information (i.e. data and/or parameters) that is different from that stated in the approved PDD, been provided under section E.6 of the MR?			b) The remarks on difference from estimated value in approved PDD for some data / parameters (like CO and NMVOC) are wrong. c) Section G isn't available in the provided MR template by Gold Standard Organization.		
F. Stakeholder Inputs and Legal Disputes					
F.1. Is the list of all inputs/grievances which have been received for the project during the monitoring period together with their respective answers/actions provided in Section F.1 of the MR?	GS4GG-MR-FORM version 1	DR	The name of the village(s) stated is wrong in Section F.1.	CAR-17	
F.2. If there any remaining inputs/grievances from previous monitoring period where follow up action is to be verified in this monitoring period from the validation and/or previous verification activities, have the PPs addressed these in Section F.2 of the MR?	GS4GG-MR-FORM version 1	DR	Please clarify if there are any inputs/grievances from previous monitoring period where follow up action is to be verified in this monitoring period.	CL-5	
F.3. Has there been any legal contest or dispute that has arisen with the project during the	GS4GG-MR-FORM version 1	DR	Please clarify if there is any legal contest or dispute that has arisen with the project during the monitoring period.	CL-6	

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
monitoring period and are such details and resolution provided in Section F.3 of the MR?					
G. Other Issues					
G.1. Forward action requests (FARs) identified during validation and/or previous verification					
G.1.1. Is there any remaining FARs from the validation and/or previous verification activities?	EB93 Report Annex 5 §38 §349	DR	There is one FAR from the previous verification as in below: “The PP shall monitor the bird strikes more frequently to cover the next monitoring period as a whole. Onsite feedback shall be collected at least on a yearly basis. The verifying DOE shall check and validate the validity of the feedback on the next monitoring period.” Please clarify this issue.	CL-7	
G.1.2. If there any remaining FARs from the validation and/or previous verification activities, have the PPs addressed these FARs in the MR?	EB93 Report Annex 5 §38 §349	DR	Please see CL-7.	CL-7	
G.1.3. Has the FARs been resolved?	EB93 Report Annex 5 §38 §349 §347d	DR	Please see CL-7.	CL-7	

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

Table 2 – Additional Gold Standard Requirements (In the Reference section, Gold Standard references are given by stating T for the Toolkit and R for the Requirements and the section number. All references given are from Gold Standard Toolkit Version 1.0 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	No cap has been placed by Turkey.	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	DR	There are no complaints from the interviewed local stakeholders.	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	Summary of Project Participants' Response	Verification Team Conclusion
CAR-1 Project design certification date isn't available in the cover page.	1.5	Response-1 The format has been updated to old version, hence project design certification date is not necessary. The mail about version change is now delivered. Response-2 The CDM form version is now updated.	Review-1: Please use the latest applicable MR template. Review-2: Ok Closed.
CAR-2 The start date of crediting period is wrong in the cover page.	1.6	Response-1 The format has been updated to old version, hence the start date of crediting period is not necessary. The mail about version change is now delivered. Response-2 The CDM form version is now updated.	Review-1: Please see the response to CAR-1. Review-2: Ok Closed.
CAR-3 Certification pathway is stated wrongly in the cover page.	1.11	Response-1 The format has been updated to old version, hence certification pathway information is not necessary. The mail about version change is now delivered. Response-2 The CDM form version is now updated.	Review-1: Please see the response to CAR-1. Review-2: Ok Closed.
CAR-4 The relevant dates for the project activity (e.g. construction, commissioning, continued operation periods, etc.) aren't available in Section A.1.	A.1.4	Response-1 The relevant dates for the project activity is now added.	Review-1: Ok Closed.
CAR-5	C.6	Response-1	Review-1: Ok Closed.

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

Draft Report Clarifications, Forward Action and Corrective Action Requests By Verification Team	Ref. to Checklist Questions in Table-1	Summary of Project Participants' Response	Verification Team Conclusion
The line diagram hasn't been provided in Section C.		The line diagram is now provided.	
CAR-6 The purpose of the data/parameters fixed ex ante isn't available in Section D.1.	D.1.10	Response-1 The purpose of the data/parameters fixed ex ante is now available.	Review-1: Ok Closed.
CAR-7 The value of monitoring parameter is wrong. Besides that, The vintage wise data isn't available in Section D.2.	D.2.6	Response-1 The value of monitored parameter is now corrected. The vintage data is now available. Response-2 The total emission reduction values have been provided as an integer in MR E.5, and Excel G48.	Review-1: Please provide the ER values as an integer value in the Excel spreadsheet and in the MR. Review-2: Ok Closed.
CAR-8 The calibration frequency of the meters hasn't been provided.	D.2.8.2	Response-1 The calibration frequency of meters is now added.	
CAR-9 The calibration date is available but the provided date is before the monitoring period. Besides that, the calibration and test certificates haven't been provided.	D.2.8.4	Response-1 According to the Article 2 of the Communiqué : 'The meters to be used in the electricity market shall be compliant with the standards of Turkish Standards Institute or IEC and have obtained "Type and System Approval" certificate from the Ministry of Trade and Industry.' Therefore, Ministry of Trade and Industry (Ministry) is responsible from control and calibration of the meters. paragraph b) of the Article 9 of the 'Regulation of Metering and Testing of Metering Systems' 7 (Regulation) of Ministry states that: ' b) Periodic tests of meters of electricity, water, coal gas, natural gas and current and voltage transformers are done every 10 years' . Therefore periodic calibration of the meters will	Review-1: Please clarify the calibration date (26/03/2017) available in Section D.2 and please provide the initial calibration report and any other one, if available. Review-2: Ok Closed.

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		be done every 10 years. Hence, the next calibration will be done in 2023 and there is no need to test. Response-2 The recent calibration date is 29/04/2018 and it is available in Section D.2. Calibration reports are now provided.	
CAR-10 The formulae used to calculate the baseline value hasn't been provided under section E.1 of the MR.	E.1.1	Response-1 Hence the format has been updated to old version, formulation is available.	Review-1: Ok Closed.
CAR-11 The sample calculation for the calculation of baseline emissions is missing.	E.1.2	Response-1 The calculation is available on Excel.	Review-1: Ok Closed.
CAR-12 Excel calculation spreadsheet is available but the following findings have been determined: a) The unit of EF in Excel calculation is wrong. b) April 2018 EPIAS screenshot hasn't been provided. c) Please state the reason of small differences between TEIAS meter readings and EPIAS values. d) Total emission reductions values haven't been provided as an integer value.	E.1.3	Response-1 a) The unit is now corrected. b) April 2018 EPIAS screenshot is now provided. c) The differences between EPIAS and meter readings are negligible. d) Total emission reductions values is provided as an integer value. Response-2 a) Unit of EF is now corrected. d) The total emission reduction values have been provided as an integer in MR E.5, and Excel G48.	Review-1: a) Please correct the unit of EF in the Excel spreadsheet. b) Ok Closed c) Ok Closed d) Please provide the total emission reduction values as an integer value throughout the Excel and MR. Review-2: a) Ok Closed.

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			d) Ok Closed.
CAR-13 The following findings have been determined: a) The amount of CO and NMVOC are wrong as baseline estimate, project estimate and net benefit. b) The amount of EG,y (Annual net electricity generation) and the associated CO2 emissions haven't been provided as baseline estimate, project estimate and net benefit.	E.3.1	Response-1 a) The format has been updated to old version, hence these are not available now. The mail about version change is now delivered. Relevant values are now corrected. b) The format has been updated to old version, hence these are not available now. The mail about version change is now delivered. Relevant values are now corrected. Response-2 a) The references to the registered PP were given. b) The total emission reduction values have been provided as an integer in MR E.5, and Excel G48.	Review-1: a) Please check the links of CO and NMVOC provided in the Excel spreadsheet. b) Please see the response to CAR-12 option d. Review-2: a) Ok Closed. b) Ok Closed.
CAR-14 a) The ex-post values of baseline estimate, project estimate and net benefit for all data / parameters (like EG,y (Annual net electricity generation) haven't been provided. b) The expost values of baseline estimate, project estimate and net benefit for some data / parameters (like CO and NMVOC) are wrong.	E.4.1	Response-1 a) The format has been updated to old version, hence these are not available now. The mail about version change is now delivered. Relevant values are now corrected. b) The format has been updated to old version, hence these are not available now. The mail about version change is now delivered. Relevant values are now corrected.	Review-1: a) Ok Closed. b) Ok Closed.
CAR-15 a) The comparison of actual value of outcomes	E.5.1	Response-1 a) The format has been updated to old version, hence	Review-1: a) Ok Closed.

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with estimates in approved PDD for all data / parameters (like EG,y (Annual net electricity generation) haven't been provided. b) The comparison of actual value of outcomes with estimates in approved PDD for some data / parameters (like CO and NMVOC) are wrong.		these are not available now. The mail about version change is now delivered. b) Relevant values are now corrected.	b) Ok Closed.
CAR-16 a) The remarks on difference from estimated value in approved PDD for all data / parameters (like EG,y (Annual net electricity generation) including vintage wise difference haven't been provided. b) The remarks on difference from estimated value in approved PDD for some data / parameters (like CO and NMVOC) are wrong. c) Section G isn't available in the provided MR template by Gold Standard Organization.	E.6.1	Response-1 a) The format has been updated to old version, hence these are not available now. The mail about version change is now delivered. b) The format has been updated to old version, hence these are not available now. The mail about version change is now delivered. c) The format has been updated to old version, hence these are not available now. The mail about version change is now delivered. Response-2 a) Comparison is now provided, the explanation is now added as "may occur due to the less wind than expected". c) The CDM form version is now updated and Annex-1 which included company information of PO and PP, is now removed.	Review-1: a) Please also provide the vintage wise comparison especially for 2018 vintage and please explain the reason of the difference. b) Ok Closed c) Please see the response to CAR-1 and please remove Annex-1 in the MR. Review-2: a) Ok Closed. c) Review-2: Ok Closed.
CAR-17 The name of the village(s) stated is wrong in Section F.1.	F.1	Response-1 The format has been updated to old version, hence these are not available now. The mail about version	Review-1: Ok Closed

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		change is now delivered.	
CL-1 The responsibilities and authorities for monitoring comply with the registered monitoring plan but please clarify if PMUM is still applicable.	C.4	Response-1 On 01/09/2015, PMUM was renamed as EPIAŞ. The document about this is now delivered. Response-2 The information about this topic is now provided in MR.	Review-1: This information isn't available in the MR. Review-2: Ok Closed.
CL-2 Regarding the sustainability monitoring, the following have been determined: a) It was stated by the plant manager that there hasn't been any waste water transfer during the monitoring period due to the low amount of waste water generation, but the signed and sealed letter on the company letterhead shall be provided. b) The ornithology reports prepared by the experts shall be provided. c) The social security records of the employees including the ones proving the local employment (including the subcontractors like Güngör Elektrik and Securitas) shall be provided.	C.7	Response-1 a) The letter is now provided. b) Ornithology report is now provided. c) The social security records are now provided. d) The number and distribution of local employees is provided. e) The training records and certificates are now provided.	Review-1: a) Ok Closed b) Ok Closed c) Ok Closed d) Ok Closed e) Ok Closed

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d) The number and distribution of local employees shall also be provided. e) The training records and certificates of the trainings given to the local employees shall be provided.			
CL-3 It isn't clear why it has been referred to SDG-7 in the cover page and which data/parameter is related with the SDG-7.	D.2.2	Response-1 The format has been updated to old version, hence these are not available now. The mail about version change is now delivered.	Review-1: Ok Closed
CL-4 It is not clear why the accuracy class of the meters is 0.5s.	D.2.8.1	Response-1 0.5s is the accuracy class which is approved by the Ministry. Hence, there is no problem with 0.5s accuracy class. Response-2 The document is now provided.	Review-1: Please provide this approval document. Review-2: Ok Closed.
CL-5 Please clarify if there are any inputs/grievances from previous monitoring period where follow up action is to be verified in this monitoring period.	F.2	Response-1 There are not any inputs/grievances.	Review-1: Ok Closed
CL-6 Please clarify if there is any legal contest or dispute that has arisen with the project during the monitoring period.	F.3	Response-1 There is no legal dispute.	Review-1: Ok Closed
CL-7 There is one FAR from the previous verification as in below: "The PP shall monitor the bird strikes more frequently to	G.1.1	Response-1 The latest ornithology report is now delivered. Since there are no bird strikes, the letter was requested.	Review-1: Please clarify if there is any ornithology report prepared in 2017 and if not, please explain the reason. Review-2: Ok Closed.

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cover the next monitoring period as a whole. Onsite feedback shall be collected at least on a yearly basis. The verifying DOE shall check and validate the validity of the feedback on the next monitoring period.” Please clarify this issue.		Response-2 The letter about the topic is now provided.	

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