



**Verified Carbon
Standard**

ÇERÇİKAYA WIND POWER PROJECT

2ND VERIFICATION REPORT



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Project ID	1667
Verification period	01-January-2020 to 31-December-2020
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Version	V04
VCS Standard Version	4.5
Client	ZT Enerji Elektrik Üretim San. Ve Tic. A.Ş.

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Summary:

The project includes the installation of 19 Acciona AW 125 Wind turbines each of them are 3MW with an installed capacity of 57 Mwe/57 MWm and project is located in Hatay province, İskenderun district, Çerçikya Village in Mediterranean Region, Turkey. The purpose of the project activity is to generate electricity and supply it into the national grid. The project activity reduces greenhouse gas (GHG) emissions that would have otherwise occurred in the absence of the project activity by avoiding electricity generation from fossil fuel sources and it includes 19 Acciona AW 125 Wind turbines with the installed capacity of 3 MW each, i.e. 57 Mwe/57 MWm total installed capacity.

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 PD version 03 dated 24/02/2017.

The project activity and the monitoring report are assessed against the requirements of the approved consolidated baseline and monitoring Methodology “ACM0002 version: Large-scale Grid-connected electricity generation from renewable sources” version 17.0 and VCS version 4.5.

The only purpose of the verification and certification is its usage during the issuance process as part of the VCS project cycle.

During this verification 12 Corrective Action Requests (CARs) and 06 Clarification Request were raised all of which were resolved by either revising the Monitoring Report or by sending objective evidence to the verification team. There hasn't been any FARs issued during the verification process.

Re Carbon Ltd. hereby confirms that the level of assurance of this verification report is reasonable, with respect to material errors, omissions and misrepresentations. To guarantee this level of assurance all data that is used in the GHG emission reduction calculations have been reviewed without any sampling.

Re Carbon Ltd. also confirms the following based on the results of document review for the period between 01/01/2020 and 31/12/2020:

Year	Baseline emissions or removals (tCO2e)	Project emissions or removals (tCO2e)	Leakage emissions (tCO2e)	Net GHG emission reductions or removals (tCO2e)
2020	114,847	0	0	114,847
Total	114,847	0	0	114,847

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1 INTRODUCTION

1.1 Objective

Through a contract, dated 24/07/2023. Re Carbon Ltd. was appointed by “ZT Enerji Elektrik Üretim San. Ve Tic. A.Ş.” to perform the 2nd verification of the “Çerçikaya Wind Power Project”. The objective of this verification activity was to assess, with objective evidence:

- if the monitoring report dated “28/02/2024” conforms with the requirements of the monitoring plan of the registered Project Description (PD) and the approved methodology
- if the project activity conforms with the monitoring report and the registered PD, and
- if the data reported in the monitoring report are complete and transparent.

1.2 Scope and Criteria

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 PD version 03 dated, 24/02/2017.

The project activity and the monitoring report are assessed against the requirements of Article 12 of the Kyoto Protocol, CDM Modalities and Procedures as agreed upon in the Marrakech Accords under decision 3/CMP.1, the annexes to this decision, “ACM0002 version: Large-scale Grid-connected electricity generation from renewable sources” version 17.0”, subsequent decisions and guidance made by COP/MOP & CDM Executive Board and other related rules, all according to the guidance given in the CDM Validation and Verification Standard for Project Activities version 3.0, CDM Project Standard for Project Activities version 3.0, and VCS version 4.5.

The only purpose of the verification and certification is its usage during the issuance process as a part of the VCS project cycle. Therefore, Re Carbon Ltd. cannot 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.

1.3 Level of Assurance

Re Carbon Ltd. hereby confirms that the level of assurance of this verification report is reasonable, with respect to material errors, omissions and misrepresentations. To guarantee this level of assurance all data that is used in the GHG emission reduction calculations have been reviewed without any sampling.

1.4 Summary Description of the Project

Çerçikaya Wind Power Project is operated by ZT Enerji Elektrik Üretim San. Ve Tic. A.Ş. The project activity is located in Hatay province, İskenderun district, Çerçikaya Village in Mediterranean Region, Turkey. There are 19 Acciona AW 125 wind turbines with each 3 MW and the total installed capacity is 57 Mwe/57MWm (19 x 3 MWe). The technical description of the project activity is as follows:

Table 1: Turbine specifications

Specifications	Acciona AW 125
Rated Power (kW)	3000
Rotor Diameter (m)	125
Num. of Blades	3
Swept Area (m ²)	12,305
Hub Height	87.5 m
Tower Type	Tubular Steel
Wind Speed	cut-in : 3 m/s cut-out : 25 m/s

The start date of the project activity is 10/01/2015 which is the date when the project has the first temporary acceptance protocol signed by the Ministry of Energy and Natural Resources and the first crediting period is from 10/01/2015 to 09/01/2025. First monitoring period of first crediting period is from 10/01/2015 to 31/12/2019 and second monitoring period of first crediting period is from 01/01/2020 to 31/12/2020 with two-time renewable crediting period of 10 years.

2 VERIFICATION PROCESS

For Çerçikaya Wind Power Project; the on site visit was made on 24/08/2023, desk review of all documents has been reviewed between 23/08/2023 and 28/02/2024 and verification report has been prepared on 04/03/2024.

2.1 Method and Criteria

Through a contract, dated 24/07/2023. Re Carbon Ltd. was appointed by “ZT Enerji Elektrik Üretim San. Ve Tic. A.Ş.” to perform the 2nd verification of the “Çerçikaya Wind Power Project”. The objective of this verification activity was to assess, with objective evidence:

- if the monitoring report dated “28/02/2024” conforms with the requirements of the monitoring plan of the registered PD and the approved methodology
- if the project activity conforms with the monitoring report and the registered PD, and
- if the data reported in the monitoring report are complete and transparent.

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 PD version 03 dated 24/02/2017.

The project activity and the monitoring report are assessed against the requirements of Article 12 of the Kyoto Protocol, CDM Modalities and Procedures as agreed upon in the Marrakech Accords under decision 3/CMP.1., the annexes to this decision, “ACM0002 version: Large-scale Grid-connected electricity generation from renewable sources, version 17.0”, subsequent decisions and guidance made by COP/MOP & CDM Executive Board and other related rules, all according to the guidance given in the CDM Validation and Verification Standard for project activities version 3.0 , CDM Project Standard for Project Activities version 3.0, and VCS version 4.5.

The only purpose of the verification and certification is its usage during the issuance process as a part of the VCS project cycle. Therefore, Re Carbon Ltd. cannot 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.

The Verification Schedule for this project activity is given in Table 2-1 below:

Table 2-1: Verification Schedule

Activity	Timeline		Total Days
	From	To	
Desk Review	23/08/2023	15/01/2024	146
Review of the MR version 01	23/08/2023	23/08/2023	1
Site Visit	24/08/2023	24/08/2023	1
Issuance of the Verification Protocol version 01	22/09/2023	22/09/2023	1
Review of PPs Initial Set of Responses	09/11/2023	26/12/2023	48
Issuance of the Verification Protocol version 02	27/12/2023	27/12/2023	1
Review of PPs Second Loop Responses	28/12/2023	18/01/2024	22
Closing of all the CARs and CLs	19/01/2024	19/01/2024	1
Issuance of the Verification Report version 01	23/01/2024	24/01/2024	2
ITR Process	25/01/2024	09/02/2024	16
Issuance of the Verification Report version 02	04/03/2024	14/03/2024	11
Submission for Final Approval	20/03/2024	20/03/2024	1
Submission to the PP	21/03/2024	21/03/2024	1

2.2 Document Review

The basis for the verification activity is the monitoring report version 01, dated 22/08/2023 which was submitted to the verification team on 23/08/2023. This monitoring report was revised several times due to issued CARs and CLs, with version 04, dated 28/02/2024 being the final version. The monitoring report and the monitoring activities were assessed against the registered PD, version 03, dated 24/02/2017, the “ACM0002: Large-scale Grid-connected electricity generation from renewable sources, version 17.0”, the relevant VCS rules and regulations, CDM Validation and Verification Standard for project activities version 3.0, CDM Project Standard for project activities version 3.0, and the final validation report of “BUREAU VERITAS CERTIFICATION HOLDING SAS, dated 21/06/2017, version 03 and also previous verification report from Re-carbon Ltd.Şti, dated 29/11/2021, version 01.1 .” According to VCS Rules and Requirements the same VVB can not conduct the verification more than 6 calendar years, with in the scope of this rules second monitoring period has been indicated from 01/01/2020 to 31/12/2020. First monitoring period was from 10/01/2015 to 31/12/2019. Thus, in sum of verification years are in 6 years.”

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

The list of the documents which were reviewed during the verification period is given in Table 2-2 below:

Table 2-2: List of documents reviewed

Document Number	Document Name	Version	Date (dd/mm/yyyy)
D01	Registered PD	03	24/02/2017
D02	Final Validation Report	03	21/06/2017
D03	ACM0002: “Large-scale Grid-connected electricity generation from renewable sources”	17.0	13/05/2016
D04	Verification Service Agreement	-	24/07/2023
D05	Monitoring Report	01	22/08/2023

Document Number	Document Name	Version	Date (dd/mm/yyyy)
D06	Monitoring Report	02	09/11/2023
D07	Monitoring Report	03	15/01/2024
D08	ER Calculation Excel Sheet	01	22/08/2023
D09	ER Calculation Excel Sheet	02	09/11/2023
D10	ER Calculation Excel Sheet	03	15/01/2024
D11	On site Visit	-	24/08/2023
D12	VCS Standard	4.5	17/01/2023
D13	VCS Program Guide	4.3	17/01/2023
D14	EIA Not Necessary Decision	-	27/01/2014
D15	First Index Protocol of Meters		10/11/2014
D16	Electricity Generation Licence	-	01/03/2012
D17	TEIAS Meter Reading Forms	-	01/01/2020 – 31/12/2020
D18	EPIAS Screenshots	-	01/01/2020 – 31/12/2020
D19	Meters Calibration Forms	-	14/06/2016, 04/07/2017
D20	Meters Test Reports	-	10/12/2022
D21	Electricity Meters Photos	-	24/08/2023
D22	Waste Water Storage Tank Photos	-	24/08/2023
D23	Hazardous Waste Storage Area Photos	-	24/08/2023
D24	Domestic Waste Container Photos	-	24/08/2023
D25	Hazardous Waste Transfer and Disposal Records	-	2020, 2021, 2022, 2023

Document Number	Document Name	Version	Date (dd/mm/yyyy)
D26	Wastewater Disposal Records	-	2022
D27	No Double Counting Declaration	-	17/02/2020
D28	Previous Verification Report	01.1	29/11/2021
D29	Validation Report	03	21/06/2017
D30	Photographic Evidence of Complaints & Requests Forms	-	06/02/2024
D31	Signed Letter for Complaints & Requests Declaration	-	02/01/2024
D32	Provisional Acceptance Protocol	-	15/02/2013
D33	Energy Yield Assessment Report		06/03/2014
D34	Provisional Acceptances		10/01/2015, 19/02/2015, 20/03/2015
D35	Training Records	-	01/10/2022, 12/13/2021, 06- 07/12/2022, 12- 13/12/2022
D36	Social Security Records	-	-
D37	Site Photos	-	24/08/2023
D38	Monitoring Report	04	28/02/2024
D39	ER Calculation Excel Sheet	04	28/02/2024
D40	Signed and Sealed Declaration about Human Rights	-	06/03/2024

2.3 Interviews

During the verification period, follow-up interviews were executed by the verification team to further analyze the correctness and accurateness of the information provided.

The list of individuals who were interviewed during physical site visit verification process, executed on 24/08/2023 is given in Table 2-3 below:

Table 2-3: List of individuals interviewed

Reference Number	Means of Interview ¹	Full Name	Title	Organization
I01	On Site Visit (Physically)	Adnan Babaoğlu	Operational Manager	ZT Enerji A.Ş.
I02	On Site Visit (Physically)	Selehattin Ballı	Co- Operational Manager	ZT Enerji A.Ş.
I03	On Site Visit (Physically)	Ömer Kıcık	Responsible for Administrative Affairs	ZT Enerji A.Ş.
I04	On Site Visit (Physically)	Furkan Artık	Consultancy	Gaia Climate Finansal Danışmanlık Hizmetleri Ve Ticaret A.Ş.
I05	On Site Visit (Physically)	Yasemin Tümkaya	Housewife	Elmadağ Yaylası, Kömürçukuru Köyü
I06	On Site Visit (Physically)	Mehmet Tümkaya	-	Elmadağ Yaylası, Kömürçukuru Köyü
I07	On Site Visit (Physically)	Bekir Tümkaya	-	Elmadağ Yaylası, Kömürçukuru Köyü
I08	On Site Visit (Physically)	Adem Talay	Farmer	Elmadağ Yaylası, Kömürçukuru Köyü
I09	On Site Visit (Physically)	Mehmet Talay	Retired	Elmadağ Yaylası, Kömürçukuru Köyü
I10	On Site Visit (Physically)	Ahmet Ataş	Service Worker	ZT Enerji A.Ş.

¹ SV: Site visit; T: Telephone; E: E-mail; RA: Remote Assessment

Reference Number	Means of Interview1	Full Name	Title	Organization
I11	On Site Visit (Physically)	Yusuf Koroğlu	Electrical Technician	ZT Enerji A.Ş.
I12	On Site Visit (Physically)	Mehmet Çalışkan	Command Loperator	ZT Enerji A.Ş.
I13	On Site Visit (Physically)	Erdoğan Orbaç	Security	ZT Enerji A.Ş.

2.4 Site Visits

As a part of the verification activities a physical site visit was executed to the project activity's location, details of which can be seen in Table 2-4 below:

Table 2-4: Site visit details

Date	24/08/2023	
Location	Hatay	
Participant	Company Name	Role in the Organization / Role in the Site Visit
Adnan Babaoğlu	ZT Enerji A.Ş.	Operational Manager
Selehattin Ballı	ZT Enerji A.Ş.	Co- Operational Manager
Ömer Kıcık	ZT Enerji A.Ş.	Responsible for Administrative Affairs
Furkan Artık	Gaia Climate Finansal Danışmanlık Hizmetleri Ve Ticaret A.Ş.	Consultancy
Yasemin Tümkiye	Elmadağ Yaylası, Kömürçukuru Köyü	Housewife
Mehmet Tümkiye	Elmadağ Yaylası, Kömürçukuru Köyü	Villager
Bekir Tümkiye	Elmadağ Yaylası, Kömürçukuru Köyü	Villager
Adem Talay	Elmadağ Yaylası, Kömürçukuru Köyü	Farmer
Mehmet Talay	Elmadağ Yaylası, Kömürçukuru Köyü	Retired
Ahmet Ataş	ZT Enerji A.Ş.	Service Worker
Yusuf Köroğlu	ZT Enerji A.Ş.	Electrical Technician
Mehmet Çalışkan	ZT Enerji A.Ş.	Command Operator
Erdoğan Orbaç	ZT Enerji A.Ş.	Security

Points Verified	Source of Information
Implementation and operation of the proposed VCS project activity as per the registered PD	Document review, online site visit and interviews with the PP representatives and local stakeholders from K��m��r��ukuru Village.
Review of information flows for generating, aggregating, and reporting the monitoring parameters	Document review, online site visit and interviews with the PP representatives and local stakeholders from K��m��r��ukuru Village.
Interviews with relevant personnel to confirm that the operational and data collection procedures are implemented in accordance with the monitoring plan in the PD	Interviews with the PP representatives
Cross-check between information provided in the monitoring report and data from other sources such as plant logbooks, inventories, purchase records or similar data sources	Document review and physical on site visit
Check of the monitoring equipment including calibration performance and observations of monitoring practices against the requirements of the PD and the selected methodology	Document review, online site visit and interviews with the PP representatives and local stakeholders from K��m��r��ukuru Village
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, interviews with the PP representatives and local stakeholders from K��m��r��ukuru Village.

The PP representatives and local stakeholders had been interviewed as in above during the on site visit physically and some photographic evidences like electricity meters, waste storage areas etc. have been taken along with the document review process to achieve the reasonable level of assurance during the verification as detailed in other sections of the report.

2.5 Resolution of Findings

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

- Assessment of the conformity of the actual project activity and its operation with the registered PD, dated 24/02/2017 version 03.
- A physical site visit was executed on 24/08/2023 in order to assess whether all physical features of the project activity proposed in the registered PD are in place and that the Project proponent(s) operated the project activity in line with the registered PD.
- Assessment of the compliance of the monitoring plan with the monitoring methodology “ACM0002: Large-scale Grid-connected electricity generation from renewable sources, version 17.0”
- 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 Appendix-1 of this verification report.

The Verification Protocol consists of two tables:

- Table 1 (VCS Monitoring Report (MR) Form, VCS and CDM Verification Requirements)
- Table 2 (Resolution of Corrective Action, Forward Action, and Clarification Requests)

The usage description of Table-1 in the Verification Protocol is explained in Table 2-5 below:

Table 2-5: Explanation about Table-1 in Verification Protocol

Question	Reference	MoV*	Findings, comments, references and document sources	Draft & Final Conclusion
The requirements related with the VCS monitoring report and VCS and CDM verification Standards and/ or Procedures	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 the Verification Protocol is explained in Table 2-6 below:

Table 2-6: Explanation about Table-2 in Verification Protocol

Draft Report Clarifications, Forward Action and Corrective Action Requests by Verification Team	Ref. to Questions in Table-1	Summary of Project proponents' Response	Verification Team Conclusion
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 proponents regarding the non-conformities	Is used to summarize the responses by verification and their conclusions

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

During the verification process, a Verification Protocol (attached as Appendix 1 to this verification report) was used to submit the findings to the Project proponent(s).

In line with Re Carbon Ltd.'s internal terminology and VCS Standard version 4.5, the team reports the non-conformities in 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 is 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 proponents.

The verification team raises a **CL** if information is insufficient, not transparent or not clear enough to determine whether the applicable CDM and/or VCS requirements have been met.

The verification team raises a **FAR** during verification for actions where the monitoring and reporting require attention and/or adjustment for the next verification period.

According to these principles a total of 12 CARs, 06 CLs and 00 FARs were issued, all of which are listed in the Verification Protocol.

The appointment process of the verification team considers 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 VCS verification and previous ITR experiences are also assessed during the selection of the team members and the Independent Technical Reviewer (ITR), respectively. The verification team and ITR were assigned to this verification activity on 14/07/2023, 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 2-7 below:

Table 2-6: Verification team and ITR details

Name	Role	Host Country Experience	Scope Coverage	Technical Expertise	Involv.
Mr. Khalid Mahmood	Team Leader	☒	☒	☒	A, DR, R
Ms. Selen Cilasun	Trainee Team Leader	☒	☒	☒	A, DR, R, SV
Mrs. Beyda Altuntaş	Verifier, Trainee Team Leader	☒	☒	☒	A, DR, R, SV
Mr. Sandeep Kanda	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

As a closing step of verification, the final documentation including the verification report and its annexes must undergo an internal quality control by Re Carbon Ltd. This quality control is also referred to as the “Independent Technical Review” process.

The Independent Technical Review is performed by another Team Leader of RE-Carbon Ltd. who was not involved in the verification activities of this specific project activity. When the appointed Team Leader finalizes the Validation Report, the report is sent to the (for this project specifically appointed) Independent Technical Reviewer who reviews not only the verification report itself,

but also all supporting documents like emission factor calculations, additionality justifications, relevant excel sheets etc.

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

After all CLs and CARs are closed, the verification report is again reviewed and finally approved by the Team Leader, ITR and the Certification Manager, and the request for issuing is submitted to the Project Developer along with the relevant documents.

2.5.1 Forward Action Requests

The verification team raises a FAR during the verification for actions if the monitoring and reporting require attention and/or adjustment in the next verification period, as explained in Section 2.5.

According to these principles no FAR has been issued during this verification process.

2.6 Eligibility for Validation Activities

Re Carbon Ltd. holds accreditation for the validation and verification activities in scope 1: “Energy Industries – Renewable/Non-renewable Sources” in which the project activity falls into.

3 VALIDATION FINDINGS

The project does not participate under any emission trading program and other GHG Programs including renewable energy certificates (RECs) and this is also confirmed by the PP through the signed and sealed letter by PP dated as 17/02/2020.

Furthermore, double counting issue has also been assessed and the verification team has also checked the I-REC Registry (<https://evident.services/device-register>) wherein in total 389 projects from Turkey are listed as of this verification report date and this project isn't available within I-REC Registry database. Similarly, Gold Standard project database (<https://registry.goldstandard.org/projects?q=&page=1>) and GCC project database (https://projects.globalcarboncouncil.com/pages/submitted_projects) were checked and this project isn't available within Gold Standard and GCC projects' databases, either. Given that CDM projects are not applicable in Turkey and the project does not appear on domestic REC scheme, I-REC, Gold Standard and GCC registries, it could be confirmed that no RECs and other VER carbon credits are being issued for the project at the time of this verification.

That means, the only other eligible GHG programs in the host country is Gold Standard and Global Carbon Council (GCC) and the certification program is Renewable Energy Certification (REC), and the project hasn't been listed in any of them, hence Re Carbon Ltd. confirms that the project has not participated or been rejected under any other GHG programs since the validation.

3.1 Methodology Deviations

N/A (There haven't been any methodology deviations applied).

3.2 Project Description Deviations

The other entity involved in the project as carbon consultant was Gaia Finansal Danışmanlık Hizmetleri Tic. Ltd. Şti.

All electricity generation and consumption data in emission reductions table are checked with EPIAŞ records as the main source and crosschecked with TEAIS meter reading protocol records as a conservative and correct approach. The main source of data has been defined as EPIAS records since they are the basis for billing.

Re Carbon Ltd. hereby confirms that such changes has no impact on the applicability of the methodology, additionality and the appropriateness of the baseline scenario.

3.3 New Project Activity Instances in Grouped Projects

N/A (The project is not a grouped project).

3.4 Baseline Reassessment

Did the project undergo baseline reassessment during the monitoring period?

☐ Yes

☒ No

4 VERIFICATION FINDINGS

4.1 Project Details

Item	Evidence gathering activities, evidence checked, and assessment conclusion:
Audit history	During the Çerçikaya Wind Power Project Second Monitoring Period of First Crediting period (Second Verification) which is from 01/01/2020 to 31/12/2020 there are some CARs and CLs was arisen in this section as below which have been closed successfully during the verification. All raised findings and conclusions has been indicated in Appendix-1.
Double counting and participation under other GHG programs	Double counting issue has also been assessed and the verification team has also checked the I-REC Registry (https://evident.services/device-register) wherein in total 591 projects from Turkey are listed as of this verification report date and this project isn't available within I-REC Registry database. Similarly, Gold Standard project database (https://registry.goldstandard.org/projects?q=&page=1) and GCC project database (https://projects.globalcarboncouncil.com/pages/submitted_projects) were checked and this project isn't available within Gold Standard and GCC projects' databases, either. Given that CDM projects are not applicable in Turkey and the project does not appear on domestic REC scheme, I-REC, Gold Standard and GCC registries, it could be confirmed that no RECs and other VER carbon credits are being issued for the project at the time of this verification. That means, the only other eligible GHG programs in the host country is Gold Standard and Global Carbon Council (GCC) and the certification program is Renewable Energy Certification (REC), and the project hasn't been listed in any of them, hence Re Carbon Ltd. confirms that the project has not participated or been rejected under any other GHG programs since the validation.

No double claiming with emissions trading programs or binding emission limits	The project does not participate under any emission trading program and other GHG Programs including renewable energy certificates (RECs) and this is also confirmed by the PP through the signed and sealed letter by PP dated as 17/02/2020.
No double claiming with other forms of environmental credit	N/A (According to legal rules and regulations of Turkey there is no other forms of environmental credit. Turkey has a voluntarily market).
Supply chain (scope 3) emissions double claiming	N/A (According to legal rules and regulations of Turkey, project activities do not affect the emissions footprint of any goods or services that are part of a supply chain. Turkey has a voluntarily market).
Sustainable development contributions	According to Monitoring Report (version 04, dated 28/02/2024) registered PD (version 03, dated 24/02/2017) and VCS Registry System, of the Çerçikaya Wind Power Project has been implemented to SDG 7, SDG 8 and SDG 13 and related parameters as explained below. Compliance of the Project Implementation with the Registered PD: According to the registered PD, the estimated annual emission reduction is 101,473 tCO₂e and corresponding total estimated amount for the monitoring period is 101,473 tCO₂e. The actual values achieved for the current monitoring period is 114,847 tCO₂e. The actual amount of emission reduction for the current monitoring period is about 13.2% more than the estimated emission reduction amount. However, the difference is due to the annual changes and deviations in the precipitation regime and so as in the wind flow. The fixed ex-ante data and parameters that are referred during the validation had been included by PP as in registered PD and the hyperlinks associated with the same which haven't been accessible have been updated had been updated by PP where required.

The project also contributes to SDG 7 (Affordable and Clean Energy with 208,283.75 MWh net electricity generation), SDG 8 (Decent Work and Economic Growth with 17 employed staff during the recent year of operation period and all are permanent staff) and SDG-13 (Climate Action with achieved emission reduction of 114,847 tCO₂e) during the monitoring period.

The project was commissioned on 10/01/2015 which was verified by the provisional acceptance protocol. The project activity does not consist of more than one site and does not have any phased implementation.

The GHG emission reductions generated by the project are not included in an emission trading program or any other mechanism that includes GHG allowance trading, because of the position of the host country.

The project activity has not received any other form of environmental credits, as there are no such crediting schemes in the host country as declared by the PP.

Compliance of the Monitoring Plan with the Monitoring Methodology:

The monitoring plan is in accordance with the approved methodology, ACM0002 version 17.0, applied by the project activity.

In line with the methodology and the registered PD, only monitored parameter is the quantity of net electricity generation supplied by the project plant to the grid (Egfacility,y) as in below:

• Egfacility,y parameter: The quantity of net electricity delivered to the grid has been calculated with the EPIAS (the financial settlement centre of TEIAS) records provided to the PP by TEIAS. The net electricity is measured continuously by one main electricity meter at the grid interface and recorded monthly. There is also one back up electricity meter. That means, the electricity generation and consumption values have been determined through one main meter and checked through one back up meter. All readings and billings are done via EPIAS system which is the legal database of the Ministry. During this verification, all EPIAS and TEIAS meter reading records have been reviewed by the verification team. The project mainly uses its own electricity however during the times when there is no generation, the project imports electricity from the grid. There are also internal reviews of the metered data which is checked by different parties. SCADA system is also available from which daily reports are taken and the data collected daily is saved in plant manager computer and backed up.

CAR-05 was issued regarding the monitoring and this had been closed out as detailed in Appendix-1.

Compliance of the Monitoring Plan with the Monitoring Methodology:

According to registered PD dated 24/02/2017, version 03 and applied methodology ACM0002 version 17.0; CAR-05 has been closed in line with related evidence documents such as EPIAS records, TEIAS Records, meter test and calibration protocols, first index protocols and Generation License. VVB confirm that all related values has been matched correctly.

Compliance with the Calibration Frequency Requirements for Measuring Instruments:

The net electricity is measured continuously by one main electricity meter at the grid interface and recorded monthly. There is also one back up electricity meter.

	The calibrated electricity 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 meters, TEIAS (grid company) responsible are informed for the intervention. That means, TEIAS is responsible for the calibration and maintenance of the meters. The tests for the meters were performed on 17/10/2018 and 10/12/2022 respectively and those test reports were provided to VVB. The serial number of the currently available main meter (EMH model and accuracy class is 0.2s) is 4585848 and that of back up meter (EMH model and accuracy class is 0.2s) is 4585849, respectively and these have been verified through the meter test protocols. All these meters are bi-directional (meter the energy in two directions – generation and consumption). CAR-04 and CL-6 were issued regarding the calibration and meter testing and this CAR had been closed as detailed in Appendix-1. Remaining Issues from Previous Validation or Verifications: There is no FAR from the validation and verification process in line with the validation report version 03 dated 21/06/2017 and previous verification report version 01.1 dated 29/11/2021.
Additional information relevant to the project	N/A (The project does not involve ant commercially sensitive information).

4.2 Safeguards and Stakeholder Engagement

4.2.1 Stakeholder Identification

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Stakeholder identification	Çerçikaya Village of Belen District (Villagers from Kökürçukuru Village and Elmadağ Region of Hatay Province)

Legal or customary tenure/access rights	Article 9 of the Environmental Impact Assessment Regulation
Stakeholder diversity and changes over time	During the registration of this project, Local Stakeholder Consultation meeting was held on 06-December-2013 in Çerçikaya Village of Belen District and evidence document has been provided. During the physical site visit which is dated on 24-August-2023 there are local participants, including women, men, housewives, farmers elderly, retired and active working groups, have different opinions and suggestions about the project. The interviews with the local stakeholders, which consists of a diverse group of people, is important for the project to appeal to all segments of society.
Expected changes in well-being	The project activity has positive affect on local people with in the scope of: aids for local people needs (such as food aid, short terms shelter aid because of earthquake in Turkey and daily needs), job opportunities, mini agriculture activities in secure line of project land for local villagers, ensuring security near the project area through security guards and also raising awareness of local people on clean energy. Thus, project activity and local people have sustainable communications. All related information confirmed during the physical interviews.
Location of stakeholders	Çerçikaya Village of Belen District
Location of resources	Çerçikaya Village of Belen District

4.2.2 Stakeholder Consultation and Ongoing Communication

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Ongoing consultation	Local people are directly contact with the plant manager via phone call or physical also there is complaint and request form on Mukhtar of Kömürçukuru (Çerçikaya) and local people write their comments in to this form after that plant manager check it regularly. Photographic evidence of complaints form has been provided. Also, there are 2 declarations dated as 02-January-2020 and 02-January-2024 from Kömürçukuru Village Mukhtar about there is no complaint about

	project activity. All related information has been confirmed during the physical site visit.
Date(s) of stakeholder consultation	24-August-2023
Communication of monitored results	There hadn't been any complaint raised by the interviewed local stakeholders during the physical verification site visit as detailed in Section 2.3 and Section 2.4. The local stakeholders as stated in the Table 2-4 above were interviewed about the following issues and there hadn't been any complaint by the interviewed local stakeholders during the site visit: • Noise due to the project activity • Impact on the flora and fauna including bird life • Sufficiency of local employment (The interviewed local stakeholders were pleased in general about the provided local employment opportunities by the PP) • Waste management practices implemented by PP It was also concluded that the grievance mechanism is in place and this was also confirmed by the interviewed local stakeholders during the site visit. The document about the contact details of relevant staff in PP in case of any complaint by Kömürçukuru Village local stakeholders and dated as 02/01/2020 and 02/01/2024 were also provided to VVB. Therefore, it could also be concluded that there hasn't been any complaint during the monitoring period in line with the provided records, information by PP and interviews with some local stakeholders.
Consultation records	Ten local people participated and three of them Çerçikaya WPP employees and seven of them from Elmadağ Village and Kömürçukuru Village local stakeholders were interviewed. Physical interviews has been conducted done and comments from local stakeholder has been noted.
Stakeholder input	There is no negative comment from both local people and Çerçikaya WPP employees.

4.2.3 Free, Prior, and Informed Consent

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Consent	N/A
Outcome of FPIC discussion	N/A

4.2.4 Grievance Redress Procedure

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Grievance received and steps taken to resolve the grievance including the outcomes of the resolution	N/A (There is no grievance as described above).
Grievance redress procedure	N/A

4.2.5 Public Comments

Comments received	Actions taken by the project proponent	Evidence gathering activities, evidence checked, and assessment conclusion
N/A (There is no public comments).	N/A	N/A

4.2.6 Risks to Local Stakeholders and the Environment

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Risks to stakeholder participation	There is no risk about project activity on local stakeholders also there is no mitigation has been taken. This situation confirmed during the physical site visit.

Working conditions	There is no risk about work conditions, all conditions has been conducted with in the scope of Turkey legal regulations and social security records has been provided for all employees. Project specific conditions such as working at height has been controlled via GWO Trainings, First Aids trainings and related security elements. Also there are additional trainings different from H&S trainings which is obligatory according to Turkey regulations.
Safety of women and girls	Turkey is the host country and Turkey as a part of Human Rights Conventions under the UN framework, thus guaranteeing women's rights and safety. Also, during the physical site visit women participants support this information and women safety situation has been confirmed.
Safety of minority and marginalized groups, including children	Turkey is the host country and Turkey as a part of Human Rights Conventions under the UN framework, thus guaranteeing minority and marginalized group including children. Also, during the physical site visit different group of participants which includes women, elder people and retire people support this information and this situation has been confirmed.
Pollutants (air, noise, discharges to water, generation of waste, release of hazardous materials)	There are some risks such as wastewater discharge, generation of waste and release of hazardous materials because of the project activity. Precautions for all related risk Turkish Environmental Law has been implemented. Also waste management process and related records such as waste water disposal records, sewage truck invoices, agreement with municipality, hazardous waste disposal records and declarations have been provided.

4.2.7 Respect for Human Rights and Equity

4.2.7.1 Labor and Work

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Discrimination and sexual harassment	There are no incidents of sexual harassment or discrimination have occurred. In this sense, no legal difficulties have surfaced. A declaration has been provided as an evidence document.
Management experience	N/A

Gender equity in labor and work	Due to the cultural the background of local people, women in the region are less likely to work in the energy sector, especially as engineers, hence there are no female employees in this project. In case of female applicant applied, the Project Owner would guarantee equal opportunities with regard to gender equity and labor and work compensation.
Human trafficking, forced labor, and child labor	Child labor, forced labor, or victims of human trafficking are not used in this project. Article 71 of the Turkish Labor Law, which forbids child labor in any form, is followed when conducting recruitment. Turkish Labor Law provides protection for workers. A declaration has been provided.

4.2.7.2 Human Rights

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Human rights	Turkey is dedicated to upholding the values outlined in the United Nations Convention on Human Rights as a signatory to the convention. Çerçikaya WPP upholds the United Nations Convention on Human Rights by recognizing, respecting, and advancing the protection of the rights of holders of intellectual property, customary rights, and LCs. A privately held business is in charge of this initiative, and it is nonetheless compliant with all human rights regulations.

4.2.7.3 Indigenous Peoples and Cultural Heritage

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Preservation and protection of cultural heritage	The Governorate's decision that no environmental impact assessment is necessary indicates that no environmental impact is significant, no environmental impact assessment report is required, and the environmental impacts of the projects subject to the selection and assessment criteria are examined. For the Çerçikaya WPP , an evaluation was done, and an EIA is not necessary. According to the assessment, there is no risk to cultural heritage protection or preservation from this project. Appendix-1 has the EIA Not Required Certificate available. EIA not Required Certificate has been provided as an evidence document.

4.2.7.4 Property Rights

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Disputes over rights to territories and resources	N/A
Respect for property rights	N/A

4.2.7.5 Benefit Sharing

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Summary of the benefit sharing plan	N/A. (Çerçikaya WPP is a private wind power plant. VER revenues are not subject to benefit sharing)
Benefit sharing during the monitoring period	N/A. (Çerçikaya WPP is a private wind power plant. VER revenues are not subject to benefit sharing)

4.2.8 Ecosystem Health

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Impacts on biodiversity and ecosystems	There is no risk because of the project activity about biodiversity and ecosystems. Once the project was certified on 21 June 2017, it was found that there were no parameters affecting the health of the ecosystem. Monitoring parameters related to the health of ecosystems and their impact on biodiversity is not part of this investigation. Moreover, this project does not require an Environmental Impact Assessment (EIA).
Soil degradation and soil erosion	N/A (Çerçikaya WPP is wind power plant project).

Water consumption and stress	N/A (Çerçikaya WPP is wind power plant project).
Usage of fertilizers	N/A (Çerçikaya WPP is wind power plant project).

4.2.8.1 Rare, Threatened, and Endangered species

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Species or habitat	An Environmental Impact Assessment (EIA) is not required in the Project area provided there are no endangered species. An EIA would be required if there were any endangered species. This emphasizes the fact that rare, threatened, or endangered species are not threatened by the project's location and provides more evidence to support of the assertion that an EIA is not necessary. EIA not required certificate has been provided as evidence document.

4.2.8.2 Introduction of Species

Species introduced	Evidence gathering activities, evidence checked, and assessment conclusion
N/A	N/A

Existing invasive species	Evidence gathering activities, evidence checked, and assessment conclusion
N/A	N/A

4.2.8.3 Ecosystem conversion

Item	Evidence gathering activities and evidence checked
Ecosystem conversion	N/A

4.3 Accuracy of Reduction and Removal Calculations

EPIAS records are presented for all months of the monitoring period. All data in emission reductions table are checked with EPIAS records as the main source and crosschecked with TEAIS meter reading protocol records. The net electricity generated during the current monitoring period was as follows in Table 4-1 below:

Table 4-1: Net electricity generation:

Period	Amount	Compliance Check
01/01/2020 – 31/12/2020	Export to Grid: 208,813.88 MWh Import from Grid: 530.13 MWh Net electricity supplied to grid: 208,283.75 MWh	EPIAS Records
Total (01/01/2020 – 31/12/2020)	Export to Grid: 208,813.88 MWh Import from Grid: 530.13 MWh Net electricity supplied to grid: 208,283.75 MWh	EPIAS Records

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

According to the applied methodology ACM0002 version 17.0 and the registered PD, the GHG emission reductions are calculated as follows:

$$ER_y = BE_y - PE_y$$

Where:

ER_y = Emission reductions in year y (tCO₂e/yr)

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

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

The project emissions of the project are equal to zero in line with the applied methodology. Therefore, the emission reductions generated during the monitoring period are equal to baseline emissions.

The baseline emissions in the monitoring period are calculated using the following formula:

$$BE_y = EGP_{J,y} * EF_{grid,CM,y}$$

Where;

BE_y = Baseline emissions in year y (t CO₂/y)

$EGP_{J,y}$ = Quantity of net electricity generation that is produced and fed into the grid as a result of the implementation of the project activity in year y (MWh/y)

$EF_{grid,CM,y}$ = Combined margin CO₂ emission factor for grid connected power generation in year y calculated using the latest version of the “Tool to calculate the emission factor for an electricity system” (tCO₂ / MWh)

Since the project is a greenfield renewable power plant:

$EGPJ,y = EG_{facility,y}$ = The amount of net electricity produced and fed into the grid by the project in year y .

Combined margin CO₂ emission factor ($EF_{grid,CM,y}$) is calculated once during the validation of the project activity and is valid throughout the first crediting period of 10 years.

It has been confirmed that the data used for emission reductions are correct. The grid emission factor taken is 0.5514 tCO₂ / MWh and the value is same as fixed ex-ante in the registered PD.

It is also confirmed that the methods and formulae used for calculating baseline emissions are in line with the relevant methodology and the registered PD. The net electricity generation is multiplied with the grid emission factor to arrive at the emission reductions value.

According to the registered PD, the estimated emission reduction for this monitoring period would be 101,473 tCO₂e corresponding to the monitoring period. However, the project in operation totally reached 114,847 tCO₂e in this period.

The vintage break-up of the emission reductions during the current monitoring period was as follows in Table 4-2 below:

Table 4-2: Emission reductions

Period	Emission reductions (tCO ₂ e)
01/01/2020 – 31/12/2020	114,847
Total	114,847

Calculations have been reproduced by VVB and the source data (EPIAS records) are presented by PP as explained above.

CAR-7 and CAR-8 were issued regarding the emission reduction calculations and the data used for these calculations and it had been closed as detailed in Appendix-1. Therefore, Re Carbon Ltd. hereby confirms that the above mentioned electricity generation figures and GHG emission reduction calculations are presented and quantified correctly and are in accordance with the monitoring methodology ACM0002 version 17.0 and the monitoring plan given in the registered PD.

4.4 Quality of Evidence to Determine Reductions and Removals

The GHG emission reductions are a function of the net electricity generated and fed into the grid by the project activity and the combined margin emission factor which is determined during validation for the whole crediting period. According to the validation report version 02 dated 21/06/2017, the combined margin emission factor had been validated and will remain the same for the first crediting period of 10 years as 0.5514 tCO₂/MWh.

The only parameter that needs to be closely verified is the net electricity generation and this value is taken from the EPIAS records. EPIAS records are the basis for billing and these records for each month has been submitted to and reviewed. They are recorded and saved automatically by the relevant government authority and 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. To guarantee this level of assurance, all data that is used in the GHG emission reduction calculations have been reviewed without any sampling.

As a cross check means, TEIAS meter reading protocol records which include the monthly generation and consumption figures of the plant for every month have been reviewed by the verification team.

Therefore, Re Carbon Ltd. hereby confirms that the evidence used to determine the GHG emission reductions are sufficient in quantity and appropriate in quality.

4.5 Non-Permanence Risk Analysis

N/A. (The project isn't an AFOLU project).

5 VERIFICATION OPINION

5.1 Verification Summary

Re Carbon Ltd. performed the 2nd verification of VCS “Çerçikaya Wind Power Project”, a project with the registry reference number “1667” for the period in between 01/01/2020 and 31/12/2020. The scope of the activities covers the verification and certification of GHG emissions reductions, reported in the Monitoring Report Version 04, dated 28/02/2024 of “Çerçikaya Wind Power Project”.

Gaia Finansal Danışmanlık Hizmetleri Tic. Ltd. Şti Ltd. (ZT Enerji Elektrik Üretim San. Ve Tic. A.Ş. as project owner) was 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, as indicated in the final PD. 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) are under 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 04.

The verification was performed by a verification team consisting of “Khalid Mahmood as a Team Leader, Beyda Altuntaş as a Verifier/Trainee Team Leader, Selen Cilasun as a Trainee Team Leader, and Sandeep Kanda as a ITR” and the project activity was checked against the

Verification criteria for projects and their GHG emission reductions set out in VCS Version 4.5, 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 VCS Organization, CDM Validation and Verification Standard for project activities version 3.0, CDM Project Standard for project activities version 3.0.

Re Carbon Ltd. hereby confirms that the project activity “Project Name” in Host Country is implemented in accordance with the validated and registered PD version xx, dated dd/mm/yyyy. Verification of the GHG statement was conducted in accordance the ISO 14064-3: YYYY. The monitoring system is in place and the emission reductions were calculated without material misstatements as per the applied approved methodology (“ACM0002 Large-scale Grid-connected electricity generation from renewable sources” version 17.0).

5.2 Verification Conclusion

Re Carbon Ltd. hereby confirms that the level of assurance of this verification report is reasonable, with respect to material errors, omissions and misrepresentations. To guarantee this level of assurance all data that is used in the GHG emission reduction calculations have been reviewed without any sampling.

Verification period: From 01-January-2020 to 31-December-2020

Verified GHG emission reductions and carbon dioxide removals in the above verification period:

Vintage period	Baseline emissions (tCO ₂ e)	Project emissions (tCO ₂ e)	Leakage emissions (tCO ₂ e)	Reduction VCU (tCO ₂ e)	Removal VCU (tCO ₂ e)	Total VCU (tCO ₂ e)
01-Jan-2020 to 31-Dec-2020	114,847	0	0	114,847	0	114,847
Total	114,847	0	0	114,847	0	114,847

Vintage period	Baseline emissions (tCO ₂ e)	Project emissions (tCO ₂ e)	Leakage emissions (tCO ₂ e)	Buffer pool allocation (tCO ₂ e)	Reductions VCU (tCO ₂ e)	Removals VCU (tCO ₂ e)	Total VCU issuance (tCO ₂ e)
01-Jan-2020 to 31-Dec-2020	114,847	0	0	0	114,847	0	114,847
Total	114,847	0	0	0	114,847	0	114,847

5.3 Ex-ante vs Ex-post ERR Comparison

Vintage period	Ex-ante estimated reductions/removals	Achieved reductions/removals	Percent difference	Explanation for the difference
01-Jan-2020 to 31-Dec-2020	101,473	114,847	13.2 %	This is due to unexpected wind trends at the project location, which may have caused changes in wind potential. However, this difference is still within a reasonable range.
Total	101,473	114,847	13.2 %	In the project location, Mediterranean region of Turkiye, a periodic increase or decrease can be observed due to changing wind regimes. The difference in the total sum. ER, %13.2 is a reasonable



Khalid MAHMOOD

Prepared by:

Team Leader

21/03/2024



Sandeep KANDA

ITR and

Decision Maker

21/03/2024



Esin TUNALI

Accepted by:

Certification Manager

21/03/2024

APPENDIX 1: COMMERCIALY SENSITIVE INFORMATION

N/A

<i>Section</i>	<i>Information</i>	<i>Justification</i>	<i>Assessment method and conclusion</i>
N/A	N/A	N/A	N/A

APPENDIX 2: VERIFICATION PROTOCOL

Table 1 – 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 proponents' Response	Verification Team Conclusion
CAR-1 a) Please indicate the Report ID of MR. b) Please correct the issuance date of the document.	2.	a) Report ID will be given after upload the Verra portal b) Corrected Response of Review 1: b) Cover Page Revised	Review 1: a) OK, closed. b) There is no change about issuance date of document according to correct dates. Review 2: b) OK, closed (MR has been updated totally as VCS Version 4.3).
CAR-2 a) Please clearly indicate the crediting period dates in Section 1.1 of MR. b) Please correct the values according to the relevant evidence document in Section 1.1 of MR. c) Please correct the contradiction between both crediting and monitoring period dates and also please explain the crediting period dates with more detail in Section 1.1 of MR. d) Please correct the achieved total emission reduction value according	1.1	a) Indicated b) Corrected - c)Corrected - d)Corrected Response of Review 1: c) Section 1.1 Revised, Crediting Period Number Corrected	Review 1: a) OK closed (The crediting period has been indicated as “from 10-January-2015 to 09-January 2025”). b) OK, closed (Values has been corrected according to related evidence document). c) There is missing information about crediting period number. d) OK, closed. Review 2:

Draft Report Clarifications, Forward Action and Corrective Action Requests By Verification Team	Ref. to Checklist Questions in Table-1	Summary of Project proponents' Response	Verification Team Conclusion
to the the relevant evidence document in Section 1.1. of MR.			c)OK, closed (The first crediting period has been indicated as “from 10-January-2015 to 09-January-2025” in line with evidence document and VCS Registry system).
CAR-3 a) Please provide the relevant evidence document of consultancy change. b) Please revise the milestone table according to all related dates in Section 3.1 of MR. c) Please keep the sequence of all events correct.	3.1.	a) Provided. See Supporting Document b) Revised. c) Corrected. Response of Review 1: b) Section 3.1 Revised, Milestone table updated.	Review 1: a) OK, closed (Consultancy change declaration dated 15/09/2021 has been provided). b) There is no change in milestone table. c) OK, closed. Review 2: b)OK, closed. (Related dates has been indicated in line with evidence documents)..
CAR-4 a) Please revise the parameter's applied value row with accessible references in Section 4.1. of the MR. b) Please provide accessible link for all parameters in Section 4.1 of MR. c) Please revise the “Error! Reference source not found.” Statement with eligible references in Section 4.1 of MR.	4.1.	a) Revised b) Provided c) Revised Response of Review 1: a) Applied value rows revised with tables, and additional Annex	Review 1: a) There is no indication of applied value rows for parameters in Section 4.1 of MR. b) OK, closed. c) OK, closed. Review 2: a)OK, closed.
CAR-5 Please clearly indicate all necessary values in ER Excel Spreadsheet and also revise the	4.2.	Section 4.1 MR has been revised.	Review 1:

Draft Report Clarifications, Forward Action and Corrective Action Requests By Verification Team	Ref. to Checklist Questions in Table-1	Summary of Project proponents' Response	Verification Team Conclusion
EG _{facility,y} parameter's all values according to corrected calculations in Section 4.1. of MR.		Response of Review 1: Section 4.1 revised with related value tables, and additional Annex	There is no indication for related values in Section 4.1 of MR. Review 2: OK, closed.
CAR-6 Please explain the monitoring of parameters with more detail in section 4.3 of MR.	4.3.	All parameter has already been explained previous monitoring period report and validated PDD. Please clarify. Response of Review 1: Section 4.3 Revised	Review 1: There is missing information about details of parameters, project specific equipments, include line diagrams to display the GHG data collection and management system and so on. Section 4.3 of MR as same as registered PDD, this section is not specific for the MR. Also, MR cannot include future tense sentences. Review 2: OK, closed.
CAR-7 Please clearly indicate the baseline emission calculations according to relevant evidence document and ER Excel Spreadsheet in Section 5.1 of MR.	5.1	Indicated. Response of Review 1: Tracked version and clear version of MR will be submitted.	Review 1: There is missing details response as it is not clear which section of 5.1 of the MR is updated as MR is not provided in track change mode. Review 2: OK, closed.
CAR-8 a) Please revise the values (in Table) according to ER Excel Spreadsheet in Section 5.4 of MR	5.4	a) Revised b) Provided. See ER excel Sheet in Supporting Document.	Review 1: a) OK, closed. b) OK, closed.

Draft Report Clarifications, Forward Action and Corrective Action Requests By Verification Team	Ref. to Checklist Questions in Table-1	Summary of Project proponents' Response	Verification Team Conclusion
b) Please provide the proper rational with supporting evidence of 7% emission reduction.			
CAR-9 The MR template version 4.2 has been used, whereas version 4.3 is the latest MR template available.	ITR	VCS Monitoring report template, v.4.3 implemented.	Review 1: OK, closed.
CAR-10 There are unnecessary information in Section 4.1 of MR (Only the grid emission factor important in section 4.1 of the MR). Also, the information in the annex for build margin plants is not required as the grid emission factor is already fixed ex-ante and not being recomputed. Section 4.1 of MR does not clearly indicate the grid emission factor that has been fixed ex-ante value.	ITR	Section 4.1 has been revised in the way that only Grid Emission factor parameter has been indicated. Annex 1 has been deleted as per requested. Value applied in EF grid,CM,y is clearly stated as 0.5514 tCO ₂ /MWh already. Justification of choice of data has been simplified to avoid confusion.	Review 1: OK, closed.
CAR-11 The annual ex-ante estimate in section 1.1 and section 1.11 of the MR is cited differently.	ITR	The discrepancy has been corrected. The annual ex-ante estimate is 101,473 tCO ₂ per annum as per its Validation Report.	Review 1: OK, closed.
CAR-12 There is contradiction about meter calibration and test dates. (Also, calibration is meaning for meter change which is conducted every 10 years)	ITR	Contradiction is acknowledged and relevant changes have been done. The indication of "Date of last Calibration" in Section 4.2 has been revised as "Dates of Last Tests" and Section 4.3 has been revised accordingly.	Review 1: OK, closed.
CL-1 Please provide the Word version of MR.	1.	Provided	Review 1: OK, closed.

Draft Report Clarifications, Forward Action and Corrective Action Requests By Verification Team	Ref. to Checklist Questions in Table-1	Summary of Project proponents' Response	Verification Team Conclusion
CL-2 Please provide the KMZ file of turbine coordinates.	1.7	Provided	Review 1: OK, closed.
CL-3 Please provide the relevant evidence document of double counting issues.	1.9	Türkiye does not yet have a formal authorization body assigned. There is no issue about double counting. Response of Review 1: Additional evidence document will be provided.	Review 1: There is no evidence document or declaration about double counting such as sign and sealed declaration from project owner to show project does not include any other programs in line with monitoring period dates. Review 2: OK, closed.
CL-4 Please provide the accessible evidence document for SDG's.	1.11	SDG 7: Electricity generation data has been provided. SDG 8: Employment Records provided in supporting document. SDG 13: ER calculated excel sheet.	Review 1: OK, closed.
CL-5 Please provide the relevant evidence document of Local stakeholder consultation.	2.2	The consultation held on previous monitoring period and it has been corrected in MR.	Review 1: OK, closed.
CL-6 a) Please clarify the "...the most important information to be monitored..." statement in Section 4.3 of MR. b) Please clarify the "...other important parameter is the ..." statement in Section 4.3 of MR.	4.3	a) and b) In this project, emission factor has been defined ex-ante. Because of that only parameter which monitored is $EG_{facility,y}$ as you can see under 4.2 MR. c) Cross-check has been carried out with EPIAŞ record. EPIAŞ screen shots has been provided. See supporting document.	Review 1: a) The MR cannot contain subjective judgment sentences. The MR needs to be revised. b) The MR cannot contain subjective judgment

Draft Report Clarifications, Forward Action and Corrective Action Requests By Verification Team	Ref. to Checklist Questions in Table-1	Summary of Project proponents' Response	Verification Team Conclusion
c) Please provide the relevant evidence document of cross-checked data.		Response of Review 1: a) and b) Section 4.3 revised as suggested by removing subjective judgmental sentences c) Main source is the monthly meter readings records (EPIAŞ data, also known as PMUM). Data from remote automatic meter reading system (OSOS system, TEI AŞ data) is used for crosschecking. Section 4.3 revised, accordingly.	sentences. The MR needs to be revised. c) There is contradiction about cross check data source and main data source. If EPIAŞ is the cross check data then what is the main source? or the opposite of this situation has to be indicated and provided. Review 2: a) OK, closed. b) OK, closed. c) OK, closed.

APPENDIX 3: VERIFICATION TEAM AND ITR COMPETENCE

Mrs. Beyda Altuntaş holds a B.Sc. degree in “Regional Planning” from Gazi University / Ankara and currently undergoes a M.Sc. program in the same. With re-carbon, Beyda is an internal Validator/Verifier, Trainee Team Leader and expert for TA 1.2. Beyda is also a Regional Expert for Türkiye.

Ms. Selen Cilasun holds a B.Sc. and a M.Sc. Degree in “Bioengineering”. With re-carbon, Selen is an internal Validator/Verifier, Team Leader, a TA 1.2 expert and a Regional Expert for Türkiye.

Mr. Sandeep Kanda holds a Bachelor’s degree in “Mechanical Engineering”, a Master’s degree in “Energy Systems Engineering” from the Indian Institute of Technology/Bombay and a Post Graduate Diploma in “Industrial Safety & Environmental Management” from the National Institute of Industrial Engineering in India. He has over 20 years of professional experience working in the area of energy and environmental management, capacity building, climate change adaptation and mitigation activities, sustainability, auditing and product development. Sandeep has been involved in various capacities in the development and impact assessment of more than 500 climate change mitigation projects and programmatic activities worldwide, covering a range of sectoral scopes, such as Energy industries (renewable-/non-renewable), Energy distribution, Energy demand, Manufacturing industries, Chemical industries, Transport, Metal production, Waste handling & disposal and Agriculture. With re-carbon, Sandeep is a free-lance Team Leader, ITR and a TA 1.1, 1.2, 2.1, 3.1, 4.1, 9.1, 9.2, 13.1, 13.2 & 15.1 expert. Sandeep is also a Regional Expert for China, India, Indonesia, Mexico, Nepal, Philippines, Tanzania, Thailand, Türkiye and Vietnam.

Mr. Khalid Mahmood holds a Bachelor degree in "Chemistry, Botany, Zoology" from the Islamia University of Bahawalpur, a Master’s degree in "in Environmental Science" from the from the University of the Punjab and a second Master’s degree in "Environmental Protection and Agricultural Food Production" from the University of Hohenheim. He has over 15 years of professional experience working for a variety of DOEs as a Team Leader. With re-carbon Khalid is a Team Leader and a TA 1.2, 13.1 and 13.2 expert as well as a Regional Expert for Tunisia, Türkiye, Brazil, China, Pakistan.

Appendix 2-1: Appointment Certificates

CERTIFICATE OF APPOINTMENT



Within the scope and in strict accordance to the appointments indicated below, the bearer may:

- Participate in assessments conducted by re-carbon Ltd.
- Take the appointed positions within and outside of an assessment team
- Bring specific expertise to 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. 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 performance assessments and/or other reasons as defined above.

This Appointment Certificate is granted on the date of **02.02.2024** by

Christian Johannes
(General Manager)

This Certificate of Appointment is given to

Mrs. Beyda Altuntaş

as a confirmation of compliance with re-carbon's internal qualification requirements for the following positions:



SECTORAL SCOPE	TECHNICAL AREA / EXPERTISE	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
SS 01: Energy industries	TA 1.1: Thermal energy generation															
	TA 1.2: Renewables	02.02.2024	02.02.2024			15.12.2023	02.02.2024	02.02.2024			15.12.2023	02.02.2024	02.02.2024			15.12.2023
SS 02: Energy distribution	TA 2.1: Energy distribution															
SS 03: Energy demand	TA 3.1: Energy demand															
SS 13: Waste handling and disposal	TA 13.1: Solid waste and wastewater															
	TA 13.2: Manure															
SS 15: Agriculture	TA 15.1: Agriculture															
	E+															
	S+															
	CORSIA															
	SDG Criteria															



SECTORAL SCOPE	TECHNICAL AREA / EXPERTISE	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
SS 01: Energy industries	TA 1.1: Thermal energy generation										
	TA 1.2: Renewables	02.02.2024	02.02.2024			15.12.2023					
SS 02: Energy distribution	TA 2.1: Energy distribution										
SS 03: Energy demand	TA 3.1: Energy demand										
SS 13: Waste handling and disposal	TA 13.1: Solid waste and wastewater										
	TA 13.2: Manure										
SS 15: Agriculture	TA 15.1: Agriculture										
	E+										
	S+										
	CORSIA										
	SDG Criteria										

COUNTRY EXPERTISE:

Türkiye (19.12.2023)

F-C-044 / 29.01.2024 - 01

This Appointment Certificate is granted on the date of **10.11.2023** by

as a confirmation of compliance with re-carbon's internal qualification requirements for the following positions:



F-C-044 / 23.01.2023 - 00

- Participate in assessments conducted by re-carbon Ltd.
- Take the appointed positions within and outside of an assessment team
- Bring specific expertise to assessments

This Appointment Certificate is granted on the date of **18.07.2023** by

Christian Johannes
(General Manager)

as a confirmation of compliance with re-carbon's internal qualification requirements for the following positions:

**COUNTRY EXPERTISE:**

Brazil, China, Pakistan, Tunisia, Türkiye

CERTIFICATE OF APPOINTMENT



Within the scope and in strict accordance to the appointments indicated below, the bearer may:

- Participate in assessments conducted by re-carbon Ltd.
- Take the appointed positions within and outside of an assessment team
- Bring specific expertise to 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. 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 performance assessments and/or other reasons as defined above.

This Appointment Certificate is granted on the date of **08.03.2023** by:

Christian Johannes
(General Manager)

This Certificate of Appointment is given to

Mr. Sandeep Kanda

as a confirmation of compliance with re-carbon's internal qualification requirements for the following positions:



Gold Standard
Climate Security & Sustainable Development



SECTORAL SCOPE	TECHNICAL AREA	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
SS 01: Energy industries	TA 1.1: Thermal energy generation	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022
	TA 1.2: Renewables	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022
SS 02: Energy distribution	TA 2.1: Energy distribution	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022
SS 03: Energy demand	TA 3.1: Energy demand	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022
SS 13: Waste handling and disposal	TA 13.1: Solid waste and wastewater	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022
	TA 13.2: Manure	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022
SS 16: Agriculture	TA 16.1: Agriculture	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022



ICR International Carbon Registry

BioCarbon Registry

SECTORAL SCOPE	TECHNICAL AREA	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
SS 01: Energy industries	TA 1.1: Thermal energy generation	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023
	TA 1.2: Renewables	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023
SS 02: Energy distribution	TA 2.1: Energy distribution	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023
SS 03: Energy demand	TA 3.1: Energy demand	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023
SS 13: Waste handling and disposal	TA 13.1: Solid waste and wastewater	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023
	TA 13.2: Manure	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023
SS 16: Agriculture	TA 16.1: Agriculture	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023

COUNTRY EXPERTISE:

China, India, Indonesia, Mexico, Nepal, Philippines, Tanzania, Thailand, Türkiye and Vietnam