KOROGLU HYDROELECTRIC POWER PLANT 1ST VERIFICATION REPORT

Document Prepared by Re Carbon Gözetim Denetim ve Belgelendirme Ltd. Şti.

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Summary:

The project includes the installation of a runoff river hydroelectric power plant (HEPP) with an installed capacity of 9.53 MWm/9.06 MWe and is located in the Savrun River basin, in Kadirli town of Osmaniye city 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 three units of horizontal axis Francis turbines with the installed capacity of 3.177 MWm/3.02 MWe each, i.e. 9.53 MWm/9.06 MWe 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 6.1 and dated 07/04/2015.

The project activity and the monitoring report are assessed against the requirements of the approved consolidated baseline and monitoring Methodology "AMS-I.D: "Grid Connected Renewable Electricity Generation" version 17.0 and VCS version 4.3.

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 27 Corrective Action Requests (CARs) and 04 CL 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 20/06/2014 and 19/06/2020:

Year	Baseline emissions or removals (tCO_2e)	Project emissions or removals (tCO_2e)	Leakage emissions (tCO_2e)	Net GHG emission reductions or removals (tCO_2e)
2014	1,738	0	0	1,738
2015	10,730	0	0	10,730
2016	8,700	0	0	8,700
2017	9,706	0	0	9,706
2018	12,538	0	0	12,538
2019	14,479	0	0	14,479
2020	11,543	0	0	11,543
Total	69,434	0	0	69,434

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1 INTRODUCTION

1.1 Objective

Re Carbon Ltd. has been appointed by “Etken Elektrik Üretim Ltd. Şti.” to perform the first verification of the “Koroglu Hydroelectric Power Plant” with the service agreement dated 18/04/2022. The objective of this verification activity is to assess, with objective evidence:

- if the monitoring report dated “12/10/2022”, version 1.4 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 6.1 dated 07/04/2015.

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, “AMS-I.D: “Grid Connected Renewable Electricity Generation” 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 4.3.

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

Koroglu Hydroelectric Power Plant is operated by Etken Elektrik Üretim Ltd. Şti. The project activity is located in is located in the Savrun River, in Kadirli town of Osmaniye city in Mediterranean Region, Turkey There are three units of horizontal axis Francis turbines with the installed capacity of 3.177 MWm/3.02 MWe each, i.e. 9.53 MWm/9.06 MWe total installed capacity. The technical description of the project activity is as follows:

Table 1: Technical specifications of the project

Project Main Characteristics		Powerhouse	
Type	Run-of-river	Type	Semi Ground
Gross Head	127.28 m	Width	18.4 m
Design Discharge	8.35 m3/s	Length	35.8 m
Total Installed Power	9.06 MW	Height	5.3 m
Power Generation	26.130 GWh/year	Tailwater Elevation	747.0 m
Turbine		**Generator**	
Type	Horizontal Axis Francis	Number of Generators	3
Installed Power	3 x 3.020 MW	Nominal Power	3x3220 kVA
Rotation Frequency	750 rpm	Frequency	50 hz
		Synchronic Rotation Freq.	750 rpm

The start date of the project activity is 20/06/2014 which is the date when the project is commissioned and the electricity was first supplied to the grid as verified through the provisional acceptance protocol and the first crediting period is from 20/06/2014 until 19/06/2024 with two times renewable crediting period of 10 years. The initial monitoring period is from 20/06/2014 to 19/06/2020.

2 VERIFICATION PROCESS

2.1 Method and Criteria

Through a contract, dated 18/04/2022, Re Carbon Ltd. was appointed by "Etken Elektrik Üretim Ltd.Sti." to perform the 1st verification of the "Koroglu Hydroelectric Power Plant". The objective of this verification activity was to assess, with objective evidence:

- if the monitoring report dated "12/10/2022", version 1.4 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 version 6.1 dated 07/04/2015.

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, "AMS-I.D: "Grid Connected Renewable Electricity Generation" 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 4.3.

There hasn't been any sampling approach applied during the verification and all monitored data/parameters have been checked by the verification team.

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.

2.2 Document Review

The basis for the verification activity is the monitoring report version 1.0, dated 05/05/2022 which was submitted to the verification team on the same day. This monitoring report was revised several times due to issued CARs and CLs, with version 1.4, dated 12/10/2022 being the final version. The monitoring report and the monitoring activities were assessed against the registered PD, version 6.1 dated 07/04/2015, the "AMS-I.D: "Grid Connected Renewable Electricity Generation" 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 version 03 dated 23/10/2014.

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 2-1 below:

Table 2-1: List of documents reviewed

Document Number	Document Name	Version	Date (dd/mm/yyyy)
D01	Registered PD	6.1	07/04/2015
D02	Final Validation Report	03	23/10/2014
D03	AMS-I.D: "Grid Connected Renewable Electricity Generation"	17.0	-
D04	Verification Service Agreement	-	18/04/2022
D05	Monitoring Report	1.0	05/05/2022
D06	Monitoring Report	1.1	14/09/2022
D07	Monitoring Report	1.2	21/09/2022
D08	Monitoring Report	1.3	22/09/2022
D09	ER Calculation Excel Sheet	1.0	05/05/2022
D10	ER Calculation Excel Sheet	1.1	14/09/2022
D11	ER Calculation Excel Sheet	1.2	21/09/2022
D12	VCS Standard	4.3	22/06/2022
D13	VCS Program Guide	4.2	22/06/2022
D14	EIA Not Necessary Decision	-	13/09/2011
D15	Electricity Generation Licence (Initial Issuance and Last Amendment)	-	25/12/2008 09/05/2012
D16	TEIAS Meter Reading Forms	-	06/2014 - 06/2020
D17	EPIAS Screenshots		06/2014-06/2020
D18	Meters Test Reports	-	26/11/2013 21/05/2019 29/05/2019
D19	Electricity Meters Photos	-	-
D20	Waste Water Storage Tank Photos	-	-
D21	Hazardous Waste Storage Area Photos	-	-
D22	Domestic Waste Storage Area Photos	-	-

Document Number	Document Name	Version	Date (dd/mm/yyyy)
D23	Hazardous Waste Transfer and Disposal Records	-	19/02/2021 24/02/2022
D24	Wastewater Disposal Records	-	05/02/2018 17/08/2021
D25	Domestic Waste Disposal Records	-	27/03/2013
D26	Fish Passage Photos	-	-
D27	Official Signed Lifeline Water Records	-	2014 2015 2016 2017 2018 2019 2020
D28	Turbine and Generator Nameplates	-	-
D29	Signed Letters by the Tahta Village and Kösepınar Village Mukhtars (About the Contact Details of PP Relevant Staff In case of Any Complaint)	-	29/08/2022
D30	Letter by the PP (About Double Counting and Renewable Energy Certification (REC))	-	01/09/2022
D31	Provisional Acceptance Protocol	-	20/06/2014
D32	Training Records	-	28/12/2012 16/06/2015 25/11/2015 04/08/2017 05/08/2017 16/01/2020 17/01/2020 28/12/2020 29/12/2020 08/02/2021 29/03/2022
D33	Noise Report	-	19/06/2014
D34	Social Security Records for PP Site Employees	-	2014-2020
D35	Site Photos	-	-

Document Number	Document Name	Version	Date (dd/mm/yyyy)
D36	Project Area Layout	-	-
D37	Turbine Specification Documents	-	-
D38	Monitoring Report	1.4	12/10/2022
D39	ER Calculation Excel Sheet	1.3	12/10/2022

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 verification process, executed on 26/08/2022 is given in Table 2-2 below:

Table 2-2: List of individuals interviewed

Reference Number	Means of Interview[1]	Full Name	Title	Organization
I01	Site visit	Yakup Acarca	Mukhtar	Tahta Village
I02	Site visit	Erdal Köşece	Villager	Tahta Village
I03	Site visit	Mustafa Atçı	Employee	Tahta Village
I04	Site visit	İmdat Atçı	Villager	Tahta Village
I05	Site visit	Halil Dindar	Electrician	Tahta Village
I06	Site visit	Yasin Atçı	Technician	Etken Elektrik Üretim Ltd Şti.
I07	Site visit	Burhan Keşkeş	Technician	Etken Elektrik Üretim Ltd Şti.
I08	Site visit	Hakan Atçı	Villager	Tahta Village
I09	Site visit	Ahmet Bindal	Villager	Tahta Village
I10	Site visit	Abidin Gürcük	Technician	Etken Elektrik Üretim Ltd Şti.

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

Reference Number	Means of Interview[1]	Full Name	Title	Organization
I11	Site visit	Kenan Çekiç	Service staff	Etken Elektrik Üretim Ltd Şti.
I12	Site visit	Ercan Başdoğan	Plant Manager	Etken Elektrik Üretim Ltd Şti.
I13	Site visit	Recep Atçı	Technician	Etken Elektrik Üretim Ltd Şti.
I14	Site visit	Ersöz Erdoğan	Consultant	Kilittaşı Engineering
I15	Site visit	Ümit Atçı	Gatekeeper	Etken Elektrik Üretim Ltd Şti.

2.4 Site Inspections

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 2-3 below:

Table 2-3: Site visit details

Date	26/08/2022	
Location	Kadirli, Osmaniye	
Participant	Company Name	Role in the Organization / Role in the Site Visit
Yakup Acarca	Tahta Village	Mukhtar
Erdal Köşece	Tahta Village	Villager
Mustafa Atçı	Tahta Village	Employee
İmdat Atçı	Tahta Village	Villager
Halil Dindar	Tahta Village	Electrician
Yasin Atçı	Etken Elektrik Üretim Ltd Şti.	Technician
Burhan Keşkeş	Etken Elektrik Üretim Ltd Şti.	Technician
Hakan Atçı	Tahta Village	Villager
Ahmet Bindal	Tahta Village	Villager

Abidin Gürcük	Etken Elektrik Üretim Ltd Şti.	Technician
Kenan Çekiç	Etken Elektrik Üretim Ltd Şti.	Service staff
Ercan Başdoğan	Etken Elektrik Üretim Ltd Şti.	Plant Manager
Recep Atçı	Etken Elektrik Üretim Ltd Şti.	Technician
Ersöz Erdoğan	Kilittaşı Engineering	Consultant
Ümit Atçı	Etken Elektrik Üretim Ltd Şti.	Gatekeeper
Öykü Yakupoğlu	Re Carbon Ltd.	Verifier

Points Verified	**Source of Information**
Implementation and operation of the proposed VCS project activity as per the registered PD	Document review, site visit and interviews with the PP representatives and local stakeholders from Tahta Village
Review of information flows for generating, aggregating, and reporting the monitoring parameters	Document review, site visit and interviews with the PP representatives and local stakeholders from Tahta 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 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, site visit and interviews with the PP representatives and local stakeholders from Tahta 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	Document review, site visit and interviews with the PP representatives and local stakeholders

identify and correct any errors or omissions in the reported monitoring parameters	from Tahta Village

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 07/04/2015 version 6.1.
- A physical site visit was executed on 26/08/2022 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 "AMS-I.D: "Grid Connected Renewable Electricity Generation" 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 Timeframe for this project activity is given in Table 2-4 below:

Table 2-4: Verification Timeframe

Activity	Timeline		Total Days
	From	To	
Desk Review	24/08/2022	06/09/2022	14
Review of the MR version 01	24/08/2022	06/09/2022	14
Site Visit	26/08/2022	26/08/2022	1
Issuance of the Verification Protocol version 01	06/09/2022	06/09/2022	1
Review of PPs Initial Set of Responses	15/09/2022	19/09/2022	5
Issuance of the Verification Protocol version 02	19/09/2022	19/09/2022	1
Review of PPs Second Loop Responses	20/09/2022	22/09/2022	3
Issuance of the Verification Protocol version 03	22/09/2022	22/09/2022	1
Review of PPs Third Loop Responses	22/09/2022	23/09/2022	2
Closing of all the CARs and CLs	23/09/2022	23/09/2022	1
Issuance of the Verification Report version 01	03/10/2022	04/10/2022	2
ITR Process	04/10/2022	09/10/2022	6
Issuance of the Verification Report version 02	09/10/2022	12/10/2022	4
Submission for Final Approval	12/10/2022	12/10/2022	1
Submission to the PP	12/10/2022	12/10/2022	1

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 elebarote and discuss the question and/or conformance to the question by giving related references and document sources based on which the finding is issued or evidence is checked	Either acceptable based on the evidence provided (OK), non-compliance with the requirement (CAR), further clarification (CL) due to insufficient, unclear or not transparent information, forward action request (FAR) that needs to be solved during the next periodic verification

The usage description of Table-2 in 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 4.3, 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 27 CARs, 04 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 18/04/2022, 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 2-7: Verification team and ITR details

Name	Role	Host Country Experience	Scope Coverage	Technical Expertise	Involvement*
Ms. Fikriye Seda ATABEK	Team Leader	☒	☒	☒	A, DR, R
Ms. Öykü YAKUPOĞLU	Verifier	☒	☒	☒	A, DR, SV, R
Mr. Rohit BADAYA	ITR	☒	☒	☒	ITR

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

A : Administrative

DR : Desk Review

SV : Site Visit

RA : Remote Assessment

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 Verification 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

3.1 Participation under Other GHG Programs

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 01/09/2022.

3.2 Methodology Deviations

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

3.3 Project Description Deviations

Compared to the registered project activity, there was no change in PP, the capacity, design and features of the project and the PP, and the other organization involved in the project as a carbon consultant in the project description is Kilittaşı Mühendislik Müşavirlik ve İnşaat Ltd.Şti.

All electricity generation and consumption data in emission reductions table are checked with EPİAŞ records (PMUM has been replaced by EPIAS as of 01/09/2015 in Turkey during the monitoring period) 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 change has no impact on the applicability of the methodology, additionality and the appropriateness of the baseline scenario.

3.4 Grouped Project

The project is not a grouped project.

4 VERIFICATION FINDINGS

4.1 Project Implementation Status

Compliance of the Project Implementation with the Registered PD:

According to the registered PD, the estimated annual emission reduction is 13,846 tCO2e and corresponding total estimated amount for the monitoring period is 83,169 tCO2e. The actual values achieved for the current monitoring period is 69,434 tCO2e. The actual amount of emission reduction for the current monitoring period is about 16,5% less 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 water flow. Besides that, the difference in the values does not lead to a substantial increment of the ER in this period in relation to the estimates in the registered PD.

The project also contributes to SDG 7 (Affordable and Clean Energy with 131,100.75 MWh net electricity generation), SDG 8 (Decent Work and Economic Growth with 9 employed staff during the recent year of operation period and all are permanent staff) and SDG-13 (Climate Action with achieved emission reduction of 69,434 tCO2e) during the monitoring period.

The project was commissioned on 20/06/2014 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.

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.

Remaining Issues from Validation or Previous Verifications

There is one FAR from the previous validation process (v03 dated 23/10/2014) as in below:

FAR-1: "Many structures were not implemented yet. Therefore the location of main structures must be verified during verification site visit."

The location and other structures were verified during the site visit. Therefore, FAR-1 has been closed out based on verification site visit and document review.

Compliance of the Monitoring Plan with the Monitoring Methodology

The monitoring plan is in accordance with the approved methodology, AMS-I.D version 17.0, applied by the project activity.

In line with the methodology and the registered PD, the monitored parameters are quantity of net electricity generation supplied by the project plant to the grid ($EG_{facility,y}$), installed capacity of the hydro power plant after the implementation of the project activity (Cap_{PJ}) and area of the reservoir (A_{PJ}) as in below:

• $EG_{facility,y}$: 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 are also one back up electricity meter. That means the electricity generation and consumption values have been determined through the summation of the measured values of the main meter and checked through the back up meter. All readings and billings are done via EPIAS system which is the legal database of the Ministry of Energy and Natural Resources in Turkey. During this verification, all EPIAS and TEIAS meter reading protocol 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. The EPIAS records are considered as the main source for the net electricity and the values are crosschecked with the Meter Reading Forms.

• Cap_{PJ}: According to the monitoring plan in the registered PD, the installed capacity of the power plant is monitored supplier information on the equipment and the number of turbines. The project has three horizontal axis Francis turbines total installed capacity.with the installed capacity of 3.177 MWm / 3.02 MWe each, so it has a total capacity of 9.53 MWm / 9.06 MWe in line with the electricity generation licence and provisional acceptance protocol. Re Carbon Ltd. hereby confirms that there hasn't been any change regarding the total installed capacity of the project.

• A_{PJ}: According to the monitoring plan in the registered PD, area of the single or multiple reservoirs measured in the surface of the water, after the implementation of the project activity, when the reservoir is full. The reservoir area has been checked through the reservoir layout drawing of the project as in the registered PD and validation process the reservoir area is taken as 1450 m^2.

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.

CAR-16 was issued regarding the monitoring and they had been closed out as detailed in Appendix-1.

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 unit is informed for the intervention. That means, TEIAS is responsible for the calibration and maintenance of the meters. The calibration of the meters is valid for 10 years in line with the relevant legal regulation, the tests for the meters were performed on 26/11/2013 and 21/05/2019 and those test reports were provided to VVB. Also, there is a spot check for the meters dated 29/05/2019. It was also provided to VVB.

The serial number of the main meter (ELSTER brand and Alpha A1500 type accuracy class is 0.5S) was 00484541 and the back-up meter (ELSTER brand and Alpha A1500 type accuracy class is 0.5S) was 00484542 during the monitoring period and these have been verified through the electricity meter photos.

All these meters are bi-directional (meter the energy in two directions – generation and consumption).

CAR-17 was issued regarding the calibration and meter testing and this CAR had been closed as detailed in Appendix-1.

As a result of the reviewed documents, Re Carbon Ltd. hereby confirms that the project is fully implemented according to the description given in the registered PD.

It can also be confirmed through the reviewed documents that all physical features of the project activity including data collecting systems and storage have been implemented in accordance with the registered PD. The project activity is completely operational and the same has been confirmed through the provided evidences including EPIAS records, TEIAS meter reading protocols, electricity meter test protocols and the photos of electricity meters.

4.2 Safeguards

4.2.1 No Net Harm

There hadn't been any observed significant environmental impact of the project activity as indicated in the registered PD and this was also confirmed through the reviewed documents. The EIA Not Necessary Decision dated as 13/09/2011 by Osmaniye Provincial Directorate of Environment and Urbanization was also provided by the PP.

Besides that, the photos of waste storage areas and the hazardous waste disposal record dated as 19/02/2021 and 24/02/2022 and waste water transfer and disposal record dated as 05/02/2018, 17/08/2021 have been provided by the PP. The lifeline water records dated between 2014- 2020 have also been provided.

4.2.2 Local Stakeholder Consultation

There hadn't been any complaint raised by the interviewed local stakeholders during the verification site visit as detailed in Section 2.3.

The local stakeholders as stated in the Table 2-2 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 aquatic life where the project had been constructed
- Sufficiency of local employment (The interviewed local stakeholders were pleased 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 documents showing the contact details of the relevant people within PP with the signature of Tahta Village Mukhtar (Village Head) and Kösepınar Village Mukhtar (Village Head) dated as 29/08/2022 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.

4.3 AFOLU-Specific Safeguards

N/A (Since this isn't an AFOLU project, the category is not applicable).

4.4 Accuracy of GHG Emission Reduction and Removal Calculations

Quality of 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 TEIAS 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
20/06/2014 -31/12/2014	Export to Grid: 3,321.16 MWh Import from Grid: 34.8 MWh Net electricity supplied to grid: 3,286.36 MWh	EPIAS Records
01/01/2015 – 31/12/2015	Export to Grid: 20,320.43 MWh Import from Grid: 57.30 MWh Net electricity supplied to grid: 20,263.13 MWh	EPIAS Records
01/01/2016 – 31/12/2016	Export to Grid: 16,481.95 MWh Import from Grid: 52.94 MWh Net electricity supplied to grid: 16,429.01 MWh	EPIAS Records
01/01/2017 – 31/12/207	Export to Grid: 18,376.92 MWh Import from Grid: 48.78 MWh Net electricity supplied to grid: 18,328.14 MWh	EPIAS Records
01/01/2018 – 31/12/2018	Export to Grid: 23,707.04 MWh Import from Grid: 36.77 MWh Net electricity supplied to grid: 23,670.27 MWh	EPIAS Records
01/01/2019 - 31/12/2019	Export to Grid: 27,374.79 MWh Import from Grid:40.66 MWh Net electricity supplied to grid: 27,334.13 MWh	EPIAS Records
01/01/2020 - 31/12/2020	Export to Grid: 21,791.94 MWh	EPIAS Records

Period	Amount	Compliance Check
	Import from Grid: 2.23 MWh Net electricity supplied to grid: 21,789.71 MWh	
Total	Export to Grid: 131,374.23 MWh Import from Grid: 273.48 MWh Net electricity supplied to grid: 131,100.75 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 AMS-I.D version 17.0 and the registered PD, the GHG emission reductions are calculated as follows:

$ER_y = BE_y - PE_y - LE_y$

Where:

ER_y = Emission reductions in year *y* (tCO_2e/yr)

BE_y = Baseline emissions in year *y* (tCo2e/yr)

PE_y = Project emissions in year *y* (tCo2e/yr)

LE_y= *Leakage emissions in year y (tCO2e/yr)*

According to the applied methodology, for hydropower plants if the power density of the reservoir is higher than 10 W/m^2, then Pey = 0. The power density of the project is calculated as follows:

$$PD = \frac{Cap_{PJ} - Cap_{BL}}{A_{PJ} - A_{BL}}$$

Where;

PD = Power density of the project activity (W/m^2)

Cap_{PJ} = Installed capacity of the hydro power plant after the implementation of the project activity (W)

Cap_{BL} = Installed capacity of the hydro power plant before the implementation of the project activity (W). For new hydro power plants, this value is zero

A_{PJ} = Area of the single or multiple reservoirs measured in the surface of the water, after the implementation of the project activity, when the reservoir is full (m^2)

A_{BL} = Area of the single or multiple reservoirs measured in the surface of the water, before the implementation of the project activity, when the reservoir is full (m^2). For new reservoirs, this value is zero

The project activity is a green field run-of–river hydropower project, so Cap_{BL} and A_{BL} are equal to zero.

For Koroglu Hydroelectric Power Plant:

A_{PJ} = 1450 m^2 (according to the registered PD and initial verification)

Cap_{PJ} = 9.06 x10^6 W

The power density is calculated as follows:

PD = 9.06 x10^6 W /1450 m^2 = 6248 W/m^2

As the power density is higher than 10W/m^2, the project emissions of the project are equal to zero The leakage can be neglected 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:

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

Where;

BE_y= Baseline emissions in year y (t CO_2/y)

$EG_{PJ,y}$= 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 CO_2 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”(Tco_2 / MWh)

Since the project is a greenfield renewable power plant:

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

Combined margin CO_2 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 0.5299 tCO_2 / 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 83,169 tCO_2e corresponding to the monitoring period. However, the project in operation totally reached 69,434 tCO_2e 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_2e)
20/06/2014 – 31/12/2014	1,738
01/01/2015– 31/12/2015	10,730
01/01/2016– 31/12/2016	8,700
01/01/2017 – 31/12/2017	9,706
01/01/2018 – 31/12/2018	12,538
01/01/2019 – 31/12/2019	14,479
01/01/2020 – 19/06/2020	11,543

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

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 AMS-I.D version 17.0 and the monitoring plan given in the registered PD.

4.5 Evidence to Determine GHG Emission 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 03 dated 23/10/2014, the combined margin emission factor had been validated and will remain the same for the first crediting period of 10 years as 0.5299 tCO2/MWh.

The only parameter that needs to be closely verified is the net electricity generation and this value is taken from the monthly TEIAS meter reading protocol records which are along with the 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.

4.6 Non-Permanence Risk Analysis

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

5 VERIFICATION CONCLUSION

Re Carbon Ltd. performed the first verification of VCS "Koroglu Hydroelectric Power Plant", a project with the registry reference number "1456" for the period in between 20/06/2014 and 19/06/2020. The scope of the activities covers the verification and certification of GHG emissions reductions, reported in the Monitoring Report Version 1.4, dated 12/10/2022 of "Koroglu Hydroelectric Power Plant".

Kilittasi Engineering Consulting and Construction Co. Ltd. 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 1.4.

The verification was performed by a verification team consisting of "Fikriye Seda Atabek as the team leader, Öykü Yakupoğlu as the verifier and Rohit Badaya as the 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 VCS Organization, CDM Validation and Verification Standard for project activities version 3.0, CDM Project Standard for project activities version 3.0, and VCS version 4.3.

Re Carbon Ltd. hereby confirms that the project activity "Koroglu Hydroelectric Power Plant" in Turkey, is implemented in accordance with the validated and registered PD version 6.1 dated 07/04/2015. The monitoring system is in place and the emission reductions are calculated without material misstatements as per the applied approved methodology, which is "AMS-I.D version 17.0".

Re Carbon Ltd. confirms the following based on the results of the document review and the on-site assessment for the period between 20/06/2014 and 19/06/2020:

Year	Baseline emissions or removals (tCO_2e)	Project emissions or removals (tCO_2e)	Leakage emissions (tCO_2e)	Net GHG emission reductions or removals (tCO_2e)
2014	1,738	0	0	1,738
2015	10,730	0	0	10,730
2016	8,700	0	0	8,700

2017	9,706	0	0	9,706
2018	12,538	0	0	12,538
2019	14,479	0	0	14,479
2020	11,543	0	0	11,543
Total	**69,434**	**0**	**0**	**69,434**

Ms. Seda ATABEK

Team Leader

12/10/2022

Mr. Rohit BADAYA

ITR

12/10/2022

Ms. Esin Tunalı

Certification Manager

12/10/2022

APPENDIX 1: VERIFICATION PROTOCOL

Table 1 – (VCS Monitoring Report (MR) Form, VCS and CDM Verification Requirements)

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
Cover Page and General Requirements					
1 Are all items in the box at the bottom of the cover page completed using Arial or Century Gothic 10.5pt, black, regular (non-italic) font?	VCS MR Template Version 4.1	DR	a) Please use Arial or Century Gothic 10.5pt, black, regular (non-italic) font for all items in the MR (e.g. Section 1.8). Please correct the numbering of the sections (e.g. the subsections' numbers of the Section 3.2)	CAR-1	OK
2 Are the followings provided at the cover page in a tabular format?	VCS MR Template Version 4.1	DR	Please see below.		
2.1 Name of the project?	VCS MR Template Version 4.1	DR	This is available as "Koroglu Hydroelectric Power Plant".	OK	OK
2.2 Version number of the VCS MR?	VCS MR Template Version 4.1	DR	This is available as "1.0" for the first submission.	OK	OK
2.3 Report ID of the document	VCS MR Template Version 4.1	DR	This is available as "VCS_KorogluHEPP_MR".	OK	OK
2.4 The issuance date of the document in DD-Month-YYYY format?	VCS MR Template Version 4.1	DR	This is available as "5 May 2022" for the first submission.	OK	OK
2.5 VCS project database ID, if registered	VCS MR Template	DR	This is available as "VCS 1456".	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
	Version 4.1				
2.6 Monitoring period in DD-Month-YYYY to DD-Month-YYYY format	VCS MR Template Version 4.1	DR	This is available as "1 July 2014 - 30 June 2020".	OK	OK
2.7 Individual or entity that prepared the document?	VCS MR Template Version 4.1	DR	This is available as "Kilittasi Engineering Consulting and Construction Co. Ltd.".	OK	OK
2.8 Physical address, telephone, email, website?	VCS MR Template Version 4.1	DR	The contact information is available.	OK	OK
3 Is this box available on the title page of the final document?	VCS MR Template Version 4.1	DR	This is available for the first submission.	OK	OK
4 Is there "Table of Contents" in the VCS MR?	VCS MR Template Version 4.1	DR	Please add the page numbers in the MR.	CL-1	OK
5 Is the VCS MR used as a basis for verification prepared in accordance with the latest template and guidance from the VCS?	VCS MR Template Version 4.1	DR	The latest template was used.	OK	OK
6 Are the VCS MR and other documents required under the VCS Program in English?	VCS Std. Version 4.3	DR	MR and all other required documents are in English except for some legal permit documents since they are in Turkish.	OK	OK
1. PROJECT DETAILS					
1.1. Summary Description of the Implementation Status of Project					
1.1.1. Has a brief summary of the project description provided under Section 1.1 of the MR?	VCS MR Template Version 4.1 CDM-MR-	DR	a) Please correct the installed capacity specified in Section 1.1 based on the generation license. b) Please indicate the project proponent	CAR-2	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
	FORM Version 9.0		of the project activity in Section 1.1. c) In VCS Registry system, the start date of the crediting period is stated as “20/06/2014”. If the start date was changed because the electricity production started at 01/07/2014, please inform Verra about this issue. d) Please mention the number of turbines and their characteristic features in Section 1.1. e) Please indicate the total electricity generation value for the current monitoring period in Section 1.1. f) The emission reduction value indicated in Section 1.1 is different from the value indicated in the ER Calculation Excel sheet. Please correct this contradiction. g) Please include all ER values as an integer value throughout the MR and in the ER Calculation Excel sheet. h) Please indicate all electricity generation values to be 2 digits after the comma (in MWh unit) throughout the MR and in the ER Calculation Excel sheet. Please add the electricity generation values in MWh in the ER Calculation Excel sheet.		
1.1.2. Has the purpose of the project activity and the measures taken to reduce greenhouse gas emissions been provided under section 1.1 of the MR?	VCS MR Template Version 4.1 CDM-MR-FORM Version 9.0	DR	Please indicate the purpose of the project activity clearly in Section 1.1.	CAR-3	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
1.1.3. Has a brief description of the installed technology and equipment been provided under Section 1.1 of the MR?	VCS MR Template Version 4.1 CDM-MR-FORM Version 9.0	DR	Please provide the brief description of the installed technology and equipment including turbines, their brief specifications in the Section 1.1 of the MR.	CAR-4	OK
1.1.4. Has the relevant dates for the project activity (e.g. construction, commissioning, continued operation periods, etc.) been provided under Section 1.1 of the MR?	VCS MR Template Version 4.1 CDM-MR-FORM Version 9.0	DR	The relevant dates were provided in Section 1.1.	OK	OK
1.1.5. Has the total emissions reductions achieved in this monitoring period been provided under Section 1.1 of the MR?	VCS MR Template Version 4.1 CDM-MR-FORM Version 9.0	DR	Please see CAR-2.	CAR-2	OK
1.2. Sectoral Scope and Project Type					
1.2.1. Is it indicated whether this a grouped project under Section 1.2 of the MR?	VCS MR Template Version 4.1	DR	N/A (The project is not a grouped project activity.)	OK	OK
1.2.2. Is the sectoral scope(s) applicable to the project indicated?	VCS MR Template Version 4.1	DR	The sectoral scope is available as Scope 1.	OK	OK
1.2.3. Is the category of the project activity specified?	VCS MR Template Version 4.1	DR	N/A (Since this isn't an AFOLU project, the category is not applicable).	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
1.3. Project Proponent					
1.3.1. Are the contact information for the project proponent(s) provided in the tabular format?	VCS MR Template Version 4.1	DR	In the generation license and provisional acceptance protocol, the project proponent is stated as "Etken Elektrik Üretim Ltd. Şti.", not "Etken Elektrik Enerji Uretim Ltd.Şti.". Please clarify this issue.	CAR-5	OK
1.4. Other Entities Involved in the Project					
1.4.1. Are the contact information and roles/responsibilities for any other entities involved in the development of the project provided?	VCS MR Template Version 4.1	DR	This is available as "Kilittasi Engineering Consulting and Construction Co. Ltd.".	OK	OK
1.5. Project Start Date					
1.5.1. Is the project start date (the date on which the project began reducing or removing GHG emissions) indicated in day, month and year format?	VCS MR Template Version 4.1	DR	Please indicate the change of the project start date and its reason which are stated in Section 1.1.	CAR-6	OK
1.6. Project Crediting Period					
1.6.1. Is the total crediting period including the day, month and year for the start and end dates and the total number of years indicated?	VCS MR Template Version 4.1	DR	Please indicate the change of the start date of the crediting period and its reason which are stated in Section 1.1.	CAR-7	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
1.7. Project Location					
1.7.1. Has complete information on the location of the project activity, including town, city, country and GPS coordinates been provided under Section 1.7 of the MR?	VCS MR Template Version 4.1	DR	Please indicate the closest settlement and its distance to the project site in Section 1.7.	CL-2	OK
1.8. Title and Reference of Methodology					
1.8.1. Is the following information provided regarding the methodology(s) applied to the project?	VCS MR Template Version 4.1	DR	Please see below.		
1.8.1.1. The title of the methodology(ies)	VCS MR Template Version 4.1	DR	This is available as "AMS-I.D.: "Grid Connected Renewable Electricity Generation".	OK	OK
1.8.1.2. The reference of the methodology(ies)	VCS MR Template Version 4.1	DR	Please revise the reference link of the methodology.	CL-3	OK
1.8.1.3. The version number of the methodology(ies)	VCS MR Template Version 4.1	DR	This is available as "Version 17.0".	OK	OK
1.8.2. Is the following information provided regarding the tool(s) applied to the project?	VCS MR Template Version 4.1	DR	Please see below.		
1.8.2.1. The title of the methodology(ies)	VCS MR Template Version 4.1	DR	This is available.	OK	OK
1.8.2.2. The version number of the	VCS MR Template	DR	Please correct the version numbers of the	CAR-8	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(ies)	Version 4.1		applied tools based on the registered PD.		
1.9. Participation under Other Programs					
1.9.1. Has it been indicated whether the project has been registered or seeking registration under any other GHG programs?	VCS MR Template Version 4.1	DR	Please provide the signed and sealed letter on company letterhead that the project hasn't been registered, or hasn't been seeking registration under any other GHG programs.	CAR-9	OK
1.9.2. If the project has been registered under any other GHG programs, have the PPs provided the registration number and details?	VCS MR Template Version 4.1	DR	Please see CAR-9.	CAR-9	OK
1.9.3. If the project has been registered under any other GHG programs, have the details of any GHG credits claimed under such programs been provided in the Section 1.9 of the MR?	VCS MR Template Version 4.1	DR	Please see CAR-9.	CAR-9	OK
1.10. Other Forms of Credit					
1.10.1. Does the project reduce GHG emissions from activities that are included in an emissions trading program; or any other mechanism that includes GHG allowance trading?	VCS MR Template Version 4.1	DR	Please provide the signed and sealed letter on company letterhead that project hasn't been included in an emission trading program; or any other mechanism that includes GHG allowance trading.	CAR-10	OK
1.10.2. If the project reduces GHG emissions from activities that are included in an emissions trading	VCS MR Template Version 4.1	DR	Please see CAR-10.	CAR-10	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
program; or any other mechanism that includes GHG allowance trading, have the PPs provided evidence on the following?					
1.10.2.1. the reductions or removals generated by the project have or will not be used for compliance under such program(s) or mechanism(s)	VCS MR Template Version 4.1	DR	Please see CAR-10.	CAR-10	OK
1.10.3. Have the project(s) created other forms of environmental credit (for example renewable energy certificates)?	VCS MR Template Version 4.1	DR	Please see CAR-10.	CAR-10	OK
1.10.4. If the project(s) created other forms of environmental credit (for example renewable energy certificates), has the PPs provided all relevant information about the GHG-related environmental credits and the related program?	VCS MR Template Version 4.1	DR	Please see CAR-10.	CAR-10	OK
1.10.5. Have all other programs under which the project is eligible to participate (to create another form of GHG-related environmental credit) been listed?	VCS MR Template Version 4.1	DR	Please see CAR-10.	CAR-10	OK
1.11. Sustainable Development Contributions					
1.11.1. Is a brief description provided including the following (no more than 100 words):	VCS MR Template Version 4.1	DR	Please see below.		

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
1.11.1.1. A summary description of project activities implemented during the monitoring period that result in SD contributions (i.e., technologies/measures implemented, activity location).	VCS MR Template Version 4.1	DR SV	a) The parameter set for SDG 11 is "Annual mean levels of fine particulate matter". Therefore, in the contribution part, a value based on this parameter must be specified. Please specify this value or remove this SDG from section 1.11 of the MR. b) Please indicate each SDG contribution in the ER Calculation Excel sheet as well. c) The total electricity generation specified in the ER Calculation Excel sheet and the total electricity generation value specified in Section 1.11 are different from each other. Please correct the contradiction. d) Please refer the CDM Tool: “Tool to determine the remaining lifetime of equipment” for the lifetime of the project activity and revise the total electricity generation value of the project activity considering this tool. e) During the site visit, it was mentioned that 9 people work in the plant currently, and 5 out of them are local. Therefore, please revise the information about employment in Section 1.11 of the MR. f) The total emission reduction value specified in the ER Calculation Excel sheet and the value specified in Section 1.11 are different from each other. Please correct the contradiction. Please also see CAR-2.	CAR-11	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
1.11.1.2. An explanation of how project activities result in the SD contributions described in Table 1 of MR	VCS MR Template Version 4.1	DR	Please see CAR-11.	CAR-11	OK
1.11.1.3. Has it been identified of which SD contributions described in Table 1 of MR contributes to achieving any nationally stated sustainable development priorities, including any provisions for monitoring and reporting same?	VCS MR Template Version 4.1	DR	Please see CAR-11.	CAR-11	OK
1.11.1.4. Is evidence of the project's SD contributions provided as appendices to MR?	VCS MR Template Version 4.1	DR	Please see CAR-11.	CAR-11	OK
1.11.2. Are Activities implemented during the monitoring period described in MR? Activities implemented during previous monitoring periods shall not be described in MR. Where no activities were implemented during the monitoring period, state as such.	VCS MR Template Version 4.1	DR	Please see CAR-11.	CAR-11	OK
1.11.3. Are the project's quantifiable contributions to specific targets and indicators of the Sustainable Development Goals (SDGs) for the monitoring period provided using Table 1?	VCS MR Template Version 4.1	DR	Please see CAR-11.	CAR-11	OK
1.11.3.1. Is the official list of SDG	VCS MR Template	DR	Please see CAR-11.	CAR-11	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
Targets and Indicators (available in MR) used to identify the SDG Targets to which the project has contributed?	Version 4.1				
1.11.3.2. Is evidence for each contribution identified in accordance with Section 1.11?	VCS MR Template Version 4.1	DR	Please see CAR-11.	CAR-11	OK
1.11.4. Are Contributions aligned with the SDGs, as follows?	VCS MR Template Version 4.1		Please see below.	CAR-11	OK
1.11.4.1. Where possible, are all contributions related to official SDG targets and indicators?	VCS MR Template Version 4.1	DR	Please see CAR-11.	CAR-11	OK
1.11.4.2. For climate change mitigation impacts, is "13.0" written in the SDG target column of Table 1 and is the indicator "Tonnes of greenhouse gas emissions avoided or removed" used?	VCS MR Template Version 4.1	DR	Please see CAR-11.	CAR-11	OK
1.11.4.3. Where a project's self-defined measure for tracking a benefit does not align with an official SDG indicator is a project-specific indicator that relates to the most appropriate SDG target written in Table 1?	VCS MR Template Version 4.1	DR	Please see CAR-11.	CAR-11	OK
1.11.5. Are total project contributions since the project start date, previous SD contribution monitoring period, or VCS monitoring period in the	VCS MR Template Version 4.1	DR	Please see CAR-11.	CAR-11	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
"Current Project Contributions" column and the cumulative contributions over the project lifetime documented in the "Contributions Over the Project Lifetime" column in Table 1 of MR?					
1.11.6. Is the cumulative impact calculated by summing the current project contributions with all impacts included in previously approved VCS monitoring reports or Sustainable Development Contribution Reports?	VCS MR Template Version 4.1	DR	Please see CAR-11.	CAR-11	OK
2. SAFEGUARDS					
2.1. No Net Harm					
2.1.1. Has it been summarized by PPs any potential negative environmental and socio-economic impacts of the project activity and the steps taken to mitigate them?	VCS MR Template Version 4.1	DR	a) Please revise the date of EIA Exemption in Section 2.1. Please include the precautions taken for the possible negative environmental and socio-economic impacts of the project activity in the Section 2.1 of the MR.	CAR-12	OK
2.2. Local Stakeholder Consultation					
2.2.1. Has the process regarding the local stakeholder consultation been described by PPs including the following?	VCS MR Template Version 4.1	DR	a) Please provide the procedures or methods used for engaging local stakeholders. b) Please provide the procedures or methods used for documenting the outcomes of the local stakeholder	CAR-13	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
			communication in the Section 2.2 of the MR. c) Please include the current status of the on-going communication with the local stakeholders in the Section 2.2 of the MR. Please indicate the details on any updates to the project design or justifying why updates are not appropriate.		
2.2.1.1. The procedures or methods used for engaging local stakeholders (e.g. dates of announcements or meetings, periods during which input was sought)	VCS MR Template Version 4.1	DR	Please see CAR-13.	CAR-13	OK
2.2.1.2. The procedures or methods used for documenting the outcomes of the local stakeholder communication	VCS MR Template Version 4.1	DR	Please see CAR-13.	CAR-13	OK
2.2.1.3. The mechanism for on-going communication with local stakeholders conducted prior to verification	VCS MR Template Version 4.1	DR	Please see CAR-13.	CAR-13	OK
2.2.1.4. How due account of all and any input received during ongoing communication has been taken	VCS MR Template Version 4.1	DR	Please see CAR-13.	CAR-13	OK
2.2.1.5. The details on any updates to the project design or justifying why updates are not appropriate.	VCS MR Template Version 4.1	DR	Please see CAR-13.	CAR-13	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
3. IMPLEMENTATION STATUS					
3.1. Implementation Status of The Project Activity					
3.1.1. Has a description of the implementation and operational status of the project as of this monitoring period been provided under section 3.1 of the MR?	CDM-MR-FORM Version 9.0	DR	Please see CAR-4.	CAR-4	OK
3.1.2. Has the installed technology(ies), technical process and equipment, including the diagrams, where appropriate, been included in section 3.1 of the MR?	CDM-MR-FORM Version 9.0	DR	Please see CAR-4.	CAR-4	OK
3.1.3. Has the starting date of operation of the project activity been provided under Section 3.1 of the MR?	CDM project standard for project activities §256b	DR	This is available as “20 June 2014”.	OK	OK
3.1.4. If the project activity consists of more than one site, has the status of implementation and starting date of operation for each site been clearly described under Section 3.1 of the MR?	CDM project standard for project activities §256b	DR	N/A	OK	OK
3.1.5. If the implementation of the project activity planned to be realized in different phases, has the progress of the proposed VCS project activity achieved in each phase been	CDM project standard for project activities	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
indicated under Section 3.1 of the MR?	§256b				
3.1.6. Do the actual project activity and its operation comply with the registered PD and/or an approved revised PD??	CDM validation and verification standard for project activities §354a	DR	Please see CAR-4.	CAR-4	OK
3.1.7. Have the PPs implemented and operated the VCS project activity as per the descriptions contained in the registered PD?	CDM validation and verification standard for project activities §354b	DR	Please see CAR-4.	CAR-4	OK
3.1.8. Are there any other changes (e.g. to project proponent or other entities) with respect to the registered project?	VCS MR Template Version 4.1	DR	This is available.	OK	OK
3.2. Deviations					
3.2.1. Methodology Deviations					
3.2.1.1. Are there any deviations from the methodology? •	VCS MR Template Version 4.1	DR	The deviation which is mentioned in the Section 3.2.1 is not related with the methodology deviation. It is related with the Project Description Deviation. Therefore, please indicate this information in the relevant section.	CAR-14	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
3.2.1.2. If there are any deviations from the methodology, are these deviations described properly?	VCS MR Template Version 4.1	DR	Please see CAR-14.	CAR-14	OK
3.2.1.3. If there are any deviations from the methodology, are these deviations justified properly and clearly?	VCS MR Template Version 4.1	DR	Please see CAR-14.	CAR-14	OK
3.2.2. Project Description Deviations					
3.2.2.1. Are there any deviations from the registered project description?	VCS MR Template Version 4.1	DR	a) Please revise "TEIAS" statements as "PMUM records" in Section 3.2.2. b) EPIAS screenshots were provided for the evidence of the electricity generation values. However, it is stated that EPIAS and Akedaş invoices were used for this purpose. Please correct the contradiction. Please also see CAR-14.	CAR-15	OK
3.2.2.2. If there are any deviations from the project description, are these deviations described properly?	VCS MR Template Version 4.1	DR	Please see CAR-14 and CAR-15.	CAR-14 CAR-15	OK
3.2.2.3. If there are any deviations from the project description, are these deviations justified	VCS MR Template Version 4.1	DR	Please see CAR-14 and CAR-15.	CAR-14 CAR-15	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
properly and clearly?					
3.2.2.4. Is the outcome of the deviation from the project description provided?	VCS MR Template Version 4.1	DR	Please see CAR-14 and CAR-15.	CAR-14 CAR-15	OK
3.2.2.5. Has it been described and reported on any project description deviations applied in previous monitoring reports?	VCS MR Template Version 4.1	DR	Please see CAR-14 and CAR-15.	CAR-14 CAR-15	OK
3.3. Grouped Projects					
3.3.1. Is this a grouped project?	VCS MR Template Version 4.1	DR	N/A (The project isn't a grouped project).	OK	OK
3.3.2. If it is a grouped project, is the relevant information about new instances of the project activity(ies) provided?	VCS MR Template Version 4.1	DR	N/A (The project isn't a grouped project).	OK	OK
3.3.3. If it is a grouped project, is it demonstrated clearly and transparently that each new instance of the project activity(s) meets the eligibility criteria set out in the project description?	VCS MR Template Version 4.1	DR	N/A (The project isn't a grouped project).	OK	OK
4. DATA AND PARAMETERS					
4.1. Data and Parameters Available at Validation					

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
4.1.1. 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 4.1 using the tabular format?	CDM-MR-FORM Version 9.0 VCS MR Template Version 4.1	DR	All data and parameters that is determined only once for the crediting period but are used after registration of the project are available under Section 4.1 of the MR.	OK	OK
4.1.2. If all the data that is determined only once for the crediting period but are used after registration of the project, does the listed data include all the parameters used to calculate baseline, project and leakage emissions as well as other relevant parameters required by the approved methodology and the monitoring plan?	CDM-MR-FORM Version 9.0 VCS MR Template Version 4.1	DR	This is in line with the registered PD.	OK	OK
4.1.3. In the data/parameter tables provided under Section 4.1 of the MR, for each data has the name of the data/parameters given in accordance with the registered VCS PD and the applied approved methodology?	CDM-MR-FORM Version 9.0 VCS MR Template Version 4.1	DR	This is in line with the registered PD.	OK	OK
4.1.4. In the data/parameter tables provided under Section 4.1 of the MR, for each data has the unit of the data/parameters given in accordance with the registered VCS PD and the applied approved methodology?	CDM-MR-FORM Version 9.0 VCS MR Template Version 4.1	DR	This is in line with the registered PD.	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
4.1.5. In the data/parameter tables provided under Section 4.1 of the MR, for each data has the description of the data/parameters given in accordance with the registered VCS PD and the applied approved methodology?	CDM-MR-FORM Version 9.0 VCS MR Template Version 4.1	DR	This is in line with the registered PD.	OK	OK
4.1.6. In the data/parameter tables provided under Section 4.1 of the MR, for each data has the source of the data/parameters given in accordance with the registered VCS PD and the applied approved methodology?	CDM-MR-FORM Version 9.0 VCS MR Template Version 4.1	DR	This is in line with the registered PD.	OK	OK
4.1.7. In the data/parameter tables provided under Section 4.1 of the MR, for each data has the values applied of the data/parameters given in accordance with the registered VCS PD and the applied approved methodology?	CDM-MR-FORM Version 9.0 VCS MR Template Version 4.1	DR	This is in line with the registered PD.	OK	OK
4.1.8. In the data/parameter tables provided under Section 4.1 of the MR, for each data has the justification of choice of data or description of measurement methods and procedures applied been provided?	CDM-MR-FORM Version 9.0 VCS MR Template Version 4.1	DR	This is in line with the registered PD.	OK	OK
4.1.9. In the data/parameter tables provided under Section 4.1 of the MR, for each data has it been indicated what the	CDM-MR-FORM Version 9.0 VCS MR Template	DR	This is in line with the registered PD.	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
data/parameters are used for (baseline/project /leakage emission calculations)?	Version 4.1				
4.2. Data and Parameters Monitored					
4.2.1. Has all the data that are monitored been listed under Section 4.2 using the tabular format?	CDM-MR-FORM Version 9.0 VCS MR Template Version 4.1	DR	a) Please indicate A_{PJ} monitoring parameter in Section 4.2 and provide its evidence document. b) Please correct the source of data of $EG_{facility,y}$ parameter. c) Please correct the value applied for $EG_{facility,y}$ parameter considering the current monitoring period and specify the vintage values of this parameter. d) Please correct the future tense sentences throughout the MR because the project is already in operation. e) Please indicate the calibration frequency and its evidence document in Section 4.2. f) Please correct the cross-checked method in Section 4.2. g) Please correct the purpose of $EG_{facility,y}$ parameter. h) Please indicate QA/QC procedures for each parameter in Section 4.2. Please also see CAR-15.	CAR-16	OK
4.2.2. In the data/parameter tables provided under section 4.2 of the MR, for each data has the name of the data/parameters given in	CDM-MR-FORM Version 9.0 VCS MR Template	DR	Please see CAR-16.	CAR-16	OK

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

Question		Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
	accordance with the registered VCS PD and the applied approved methodology?	Version 4.1				
4.2.3.	In the data/parameter tables provided under section 4.2 of the MR, for each data has the unit of the data/parameters given in accordance with the registered VCS PD and the applied approved methodology?	CDM-MR-FORM Version 9.0 VCS MR Template Version 4.1	DR	Please see CAR-16.	CAR-16	OK
4.2.4.	In the data/parameter tables provided under section 4.2 of the MR, for each data has it been described how the data is monitored?	CDM-MR-FORM Version 9.0 VCS MR Template Version 4.1	DR	Please see CAR-16.	CAR-16	OK
4.2.5.	In the data/parameter tables provided under section 4.2 of the MR, for each data has the source of data been indicated (like logbooks, daily records, surveys, etc.)?	CDM-MR-FORM Version 9.0 VCS MR Template Version 4.1	DR	Please see CAR-16.	CAR-16	OK
4.2.6.	In the data/parameter tables provided under section 4.2 of the MR, for each data has the estimated values of the monitoring parameter been indicated?	CDM-MR-FORM Version 9.0 VCS MR Template Version 4.1	DR	Please see CAR-16.	CAR-16	OK
4.2.7.	In the data/parameter tables provided under section 4.2 of the MR, for each data has the QA/QC procedures being applied been given?	CDM-MR-FORM Version 9.0 VCS MR Template Version 4.1	DR	a) Please include the meter details covering the monitoring period in the Section 4.2 of the MR. b) Please include the meter test and calibration dates of the electricity meters.	CAR-17	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) Please provide the electricity meter test protocols covering the monitoring period. Please indicate if there is any meter change procedure in Section 4.2 of the MR.		
4.2.8. In the data/parameter tables provided under section 4.2 of the MR, for each data has the purpose of data been given? •	CDM-MR-FORM Version 9.0 VCS MR Template Version 4.1	DR	Please see CAR-16.	CAR-16	OK
4.2.9. If applicable, has the calculation method, including any equations, used to establish the data/parameter been given?	VCS MR Template Version 4.1	DR	Please see CAR-16.	CAR-16	OK
4.2.10. In the data/parameter tables provided under section 4.2 of the MR, for each data has it been indicated what types of equipment are used to monitor each parameter, including following, if applicable as per the monitoring plan?	CDM-MR-FORM Version 9.0 VCS MR Template Version 4.1	DR	Please see CAR-16.	CAR-16	OK
4.2.10.1. Details on accuracy class	CDM-MR-FORM Version 9.0 VCS MR Template Version 4.1	DR	Please see CAR-17.	CAR-17	OK
4.2.10.2. The person/entity responsible for the measurement	VCS MR Template Version 4.1	DR	This is available as TEIAS.	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
4.2.10.3. Any standards or protocols to be followed	VCS MR Template Version 4.1	DR	Please see CAR-16.	CAR-16	OK
4.2.10.4. Calibration frequency	CDM-MR-FORM Version 9.0 VCS MR Template Version 4.1	DR	Please see CAR-16.	CAR-16	OK
4.2.10.5. Serial number	CDM-MR-FORM Version 9.0 VCS MR Template Version 4.1	DR	Please see CAR-17.	CAR-17	OK
4.2.10.6. Calibration date	CDM-MR-FORM Version 9.0 VCS MR Template Version 4.1	DR	Please see CAR-17.	CAR-17	OK
4.2.10.7. Validity of the calibration	CDM-MR-FORM Version 9.0 VCS MR Template Version 4.1	DR	Please see CAR-16.	CAR-16	OK
4.2.11. In the data/parameter tables provided under section 4.2 of the MR, for each data has the measurement and recording frequency been indicated?	CDM-MR-FORM Version 9.0 VCS MR Template Version 4.1	DR	Please see CAR-16.	CAR-16	OK
4.2.12. Is the calibration frequency for measuring equipment specified in	CDM validation and	DR	Please see CAR-16.	CAR-16	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
the monitoring methodology, in the applied standardized baselines or in the monitoring plan??	verification standard for project activities §370 VCS Std. Version 4.3				
4.2.13. If the calibration frequency for measuring equipment isn't specified in the monitoring methodology, guidance provided by the Board or the monitoring plan, are the equipment calibrated either in accordance with the specifications of the local/national standards, or as per the manufacturer's specification?	CDM validation and verification standard for project activities §370 VCS Std. Version 4.3	DR	Please see CAR-16.	CAR-16	OK
4.2.14. If neither local/national standards nor the manufacturer's specification are available, have the international standards been used?	CDM validation and verification standard for project activities §370 VCS Std. Version 4.3	DR	Please see CAR-16.	CAR-16	OK
4.2.15. Is the calibration of the measuring equipment 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?	CDM validation and verification standard for project activities §371	DR	Please see CAR-16.	CAR-16	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
	VCS Std. Version 4.3				
4.2.16. 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?	CDM validation and verification standard for project activities §366 VCS Std. Version 4.3	DR	Please see CAR-16.	CAR-16	OK
4.2.17. 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?	CDM validation and verification standard for project activities §366 VCS Std. Version 4.3	DR	Please see CAR-16.	CAR-16	OK
4.2.17.1. 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	CDM validation and verification standard for project activities §366a VCS Std. Version 4.3	DR	Please see CAR-16.	CAR-16	OK
4.2.17.2. Applying the error identified in	CDM	DR	Please see CAR-16.	CAR-16	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
the delayed calibration test, if the error is beyond the maximum permissible error of the measuring equipment.	validation and verification standard for project activities §366b VCS Std. Version 4.3				
4.2.18. If calibration is delayed and if the calibration is implemented after the monitoring period in consideration (i.e. the results of delayed calibration are available) for the certain monitoring period, has the error been applied in following ways?	CDM validation and verification standard for project activities §367 VCS Std. Version 4.3	DR	Please see CAR-16.	CAR-16	OK
4.2.18.1. The adjusted measured values of the delayed calibration result in fewer claimed emission reductions?	CDM validation and verification standard for project activities §367a VCS Std. Version 4.3	DR	Please see CAR-16.	CAR-16	OK
4.2.18.2. For all measured values taken during the period between the scheduled date of calibration and the actual date of calibration?	CDM validation and verification standard for project activities	DR	Please see CAR-16.	CAR-16	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
	§367b VCS Std. Version 4.3				
4.2.19. If the results of the delayed calibration aren't available, have PPs calculated the emission reductions conservatively?	CDM validation and verification standard for project activities §368	DR	Please see CAR-16.	CAR-16	OK
4.2.20. If the results of the delayed calibration aren't available, have post registration requirements been followed by the PPs?	CDM validation and verification standard for project activities §369	DR	Please see CAR-16.	CAR-16	OK
4.2.21. Have any information about appropriate emission factors, IPCC default values and any other reference values that have been used in the calculation of emission reductions been given in detail in the MR?	CDM-MR-FORM Version 9.0 VCS Std. Version 4.3	DR	N/A	OK	OK
4.2.22. If the data that are monitored been listed under section 4.2 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 the	CDM-MR-FORM Version 9.0 VCS Std. Version 4.3 CDM project standard for project	DR	Please see CAR-16.	CAR-16	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?	activities §259				
4.2.23. Is a complete set of data available for the specified monitoring period?	CDM validation and verification standard for project activities §373 VCS Std. Version 4.3	DR	Please see CAR-16.	CAR-16	OK
4.3. Monitoring Plan					
4.3.1. Has a description of the monitoring system been provided under Section 4.3 of the MR?	CDM-MR-FORM Version 9.0 CDM project standard for project activities §258 VCS Std. Version 4.3	DR	a) Please correct the name of Supervisory Control and Data Acquisition System. b) Please indicate the cross-checked method in Section 4.3 as well. Please see CAR-15 and CAR-17.	CAR-18	OK
4.3.2. Has information about the data collection procedures, including following been provided under Section 4.3 of the MR?	CDM-MR-FORM Version 9.0 CDM project standard for project activities §258	DR	Please see below.		

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
	VCS Std. Version 4.3				
4.3.2.1. Information flow including data generation	CDM-MR-FORM Version 9.0 CDM project standard for project activities §258 VCS Std. Version 4.3	DR	This is available.	OK	OK
4.3.2.2. Data aggregation	CDM-MR-FORM Version 9.0 CDM project standard for project activities §258 VCS Std. Version 4.3	DR	This is available.	OK	OK
4.3.2.3. Data recording	CDM-MR-FORM Version 9.0 CDM project standard for project activities §258 VCS Std. Version 4.3	DR	Please see CAR-18.	CAR-18	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
4.3.2.4. Data calculation	CDM-MR-FORM Version 9.0 CDM project standard for project activities §258 VCS Std. Version 4.3	DR	This is available.	OK	OK
4.3.2.5. Data reporting	CDM-MR-FORM Version 9.0 CDM project standard for project activities §258 VCS Std. Version 4.3	DR	Please indicate the period time for storage of data.	CAR-19	OK
4.3.3. Has organizational structure, roles and responsibilities of personnel, and emergency procedures for the monitoring system been provided under section 4.3 of the MR?	CDM-MR-FORM Version 9.0 CDM project standard for project activities §258 VCS Std. Version 4.3	DR	Please provide brief roles and responsibilities of personnel, and emergency procedures for the monitoring system under Section 4.3 of the MR.	CAR-20	OK
4.3.4. Regarding to the management and operational system, are the	CDM validation and	DR	Please see CAR-20.	CAR-20	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
responsibilities and authorities for monitoring and reporting in accordance with the responsibilities and authorities stated in the monitoring plan?	verification standard for project activities §361b-(iv) VCS Std. Version 4.3				
4.3.5. Have quality assurance and quality control procedures been applied in accordance with the monitoring plan?	CDM validation and verification standard for project activities §361e VCS Std. Version 4.3	DR	Please see CAR-18.	CAR-18	OK
4.3.6. Are the procedures for handling internal auditing and non-conformities described?	VCS Std. Version 4.3	DR	Please see CAR-18.	CAR-18	OK
4.3.7. Where appropriate, are the line diagrams to display the GHG data collection and management system included?	VCS Std. Version 4.3	DR	N/A	OK	OK
4.3.8. If the sampling approaches used in the monitoring plan, has the following been included?	VCS Std. Version 4.3	DR	N/A (The sampling approach hasn't been used).	OK	OK
4.3.8.1. target precision levels	VCS Std. Version 4.3	DR	N/A (The sampling approach hasn't been used).	OK	OK
4.3.8.2. sample sizes	VCS Std. Version 4.3	DR	N/A (The sampling approach hasn't been used).	OK	OK
4.3.8.3. sample site locations	VCS Std.	DR	N/A (The sampling approach hasn't been	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
	Version 4.3		used).		
4.3.8.4. stratification	VCS Std. Version 4.3	DR	N/A (The sampling approach hasn't been used).	OK	OK
4.3.8.5. frequency of measurement and	VCS Std. Version 4.3	DR	N/A (The sampling approach hasn't been used).	OK	OK
4.3.8.6. QA/QC procedures	VCS Std. Version 4.3	DR	N/A (The sampling approach hasn't been used).	OK	OK
4.3.8.7. Demonstration on whether the required confidence/precision has been met.	CDM-MR-FORM Version 9.0	DR	N/A (The sampling approach hasn't been used).	OK	OK
4.3.9. Have the monitoring plan and the applied methodology been properly implemented and followed by the PPs?	CDM validation and verification standard for project activities §361a VCS Std. Version 4.3	DR	Please see CAR-15, CAR-17 and CAR-18.	CAR-15 CAR-17 CAR-18	OK
4.3.10. 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 PD or any accepted revised monitoring plan?	CDM validation and verification standard for project activities §361b-(i)-(ii)-(iii) VCS Std. Version 4.3	DR	Please see CAR-15, CAR-17 and CAR-18.	CAR-15 CAR-17 CAR-18	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
4.3.11. Have all parameters stated in the monitoring plan, the applied methodology and relevant VCS requirements been sufficiently monitored and updated as applicable?	CDM validation and verification standard for project activities §361b VCS Std. Version 4.3	DR	Please see CAR-15, CAR-17 and CAR-18.	CAR-15 CAR-17 CAR-18	OK
4.3.12. Are monitoring results consistently recorded and stored as per the approved frequency?	CDM validation and verification standard for project activities §361d VCS Std. Version 4.3	DR	Please see CAR-19.	CAR-19	OK
5. QUANTIFICATION of GHG EMISSION REDUCTIONS and REMOVALS					
5.1. Baseline Emissions					
5.1.1. Has all the formulae used to calculate the baseline emissions been provided under section 5.1 of the MR?	CDM-MR-FORM Version 9.0 VCS MR Template Version 4.1	DR	a) Please revise the electricity generation values in the ER Calculation Excel sheet and throughout the MR based on the provided EPIAS screenshots (e.g. July 2014). b) Please revise the baseline emission values in the ER Calculation Excel sheet and throughout the MR based	CAR-21	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
			on the correction above. c) Please indicate the baseline emission values in monthly basis in the ER Calculation Excel sheet. Please also see CAR-2.		
5.1.2. Has sample calculations for all formulae used and calculation of baseline emissions or baseline net GHG removals by sinks, applying actual values been provided under section 5.1 of the MR?	CDM-MR-FORM Version 9.0 VCS MR Template Version 4.1	DR	Please see CAR-21.	CAR-21	OK
5.1.3. Has all electronic spread sheets to present full calculations in the monitoring report been attached?	CDM-MR-FORM Version 9.0 VCS MR Template Version 4.1	DR	Please see CAR-21.	CAR-21	OK
5.1.4. Have any assumptions used in baseline emission calculations been justified?	CDM validation and verification standard for project activities §373d VCS Std. Version 4.3	DR	N/A	OK	OK
5.1.5. If applicable, are the appropriate emission factors used for the baseline emission calculations in line with the good guidance practices? (e.g., IPCC default values	CDM validation and verification standard for project	DR	N/A (The grid emission factor has been calculated and determined during the validation process).	OK	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
and other reference values)	activities §373e VCS Std. Version 4.3				
5.2. Project Emissions					
5.2.1. Has all the formulae used to calculate the project emissions been provided under section 5.2 of the MR?	CDM-MR-FORM Version 9.0 VCS MR Template Version 4.1	DR	Please indicate the power density calculation in the ER Calculation Excel sheet. Please also see CAR-16.	CAR-22	OK
5.2.2. Has sample calculations for all formulae used and calculation of project emissions or actual net GHG removals by sinks, applying actual values been provided under section 5.2 of the MR?	CDM-MR-FORM Version 9.0 VCS MR Template Version 4.1	DR	Please see CAR-22.	CAR-22	OK
5.2.3. Has all electronic spreadsheets to present full calculations in the monitoring report been attached?	CDM-MR-FORM Version 9.0 VCS MR Template Version 4.1	DR	Please see CAR-22.	CAR-22	OK
5.2.4. Have any assumptions used in project emission calculations been justified?	CDM validation and verification standard for project activities §373d	DR	N/A	OK	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
	VCS Std. Version 4.3				
5.2.5. If applicable, are the appropriate emission factors used for the project emission calculations in line with the good guidance practices? (e.g., IPCC default values and other reference values)	CDM validation and verification standard for project activities §373e VCS Std. Version 4.3	DR	N/A (The grid emission factor has been calculated and determined during the validation process).	OK	OK
5.3. Leakage					
5.3.1. Has all the formulae used to calculate the leakage emissions been provided under section 5.3 of the MR?	CDM-MR-FORM Version 9.0 VCS MR Template Version 4.1	DR	This is available.	OK	OK
5.3.2. Has sample calculations for all formulae used and calculation of leakage emissions, applying actual values been provided under section 5.3 of the MR?	CDM-MR-FORM Version 9.0 VCS MR Template Version 4.1	DR	This is available.	OK	OK
5.3.3. Has all electronic spread sheets to present full calculations in the monitoring report been attached?	CDM-MR-FORM Version 9.0 VCS MR Template Version 4.1	DR	This is available.	OK	OK
5.3.4. Have any assumptions used in	CDM	DR	N/A	OK	OK

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Question		Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
	leakage emission calculations been justified?	validation and verification standard for project activities §373d VCS Std. Version 4.3				
5.3.5.	If applicable, are the appropriate emission factors used for the leakage emission calculations in line with the good guidance practices? (e.g., IPCC default values and other reference values)	CDM validation and verification standard for project activities §373e VCS Std. Version 4.3	DR	N/A (The grid emission factor has been calculated and determined during the validation process).	OK	OK
5.4.	**Net GHG Emission Reductions and Removals**					
5.4.1.	Have the total baseline emissions or baseline net GHG removals by sinks during the monitoring period been given under section 5.4 of the MR?	CDM-MR-FORM Version 9.0 VCS MR Template Version 4.1	DR	Please see CAR-2 and CAR-21.	CAR-2 CAR-21	OK
5.4.2.	Has the total project emissions or actual net GHG removals by sinks during the monitoring period been given under section 5.4 of the MR?	CDM-MR-FORM Version 9.0 VCS MR Template	DR	Please see CAR-22.	CAR-22	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
	Version 4.1				
5.4.3. Has the total leakage emissions during the monitoring period been given under section 5.4 of the MR?	CDM-MR-FORM Version 9.0 VCS MR Template Version 4.1	DR	This is available.	OK	OK
5.4.4. Have the total emission reductions or net anthropogenic GHG removals by sinks during the monitoring period been given under section 5.4 of the MR?	CDM-MR-FORM Version 9.0 VCS MR Template Version 4.1	DR	Please include the relevant formulae for the calculation of net GHG emission reductions and removals in the Section 5.4 of the MR. Please also see CAR-2 and CAR-21.	CAR-23	OK
5.4.5. If there is material information that can cause overestimation of emission reductions or removals of the project activity, is this equal to or higher than one of the following?	CDM validation and verification standard for project activities §326	DR	There hasn't been any material information detected.	OK	OK
5.4.5.1. 0.5 per cent of the emission reductions or removals for project activities achieving a total emission reduction or removal of equal to or more than 500,000 tons of carbon dioxide equivalent per year?	CDM validation and verification standard for project activities §326a	DR	There hasn't been any material information detected.	OK	OK
5.4.5.2. 1 per cent of the emission reductions or removals for project activities achieving a total emission reduction or removal between 300,000	CDM validation and verification standard	DR	There hasn't been any material information detected.	OK	OK

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Question		Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
	and 500,000 tons of carbon dioxide equivalent per year?	for project activities §326b				
5.4.5.3.	2 per cent of the emission reductions or removals for large-scale project activities achieving a total emission reduction or removal of 300,000 tons of carbon dioxide equivalent per year or less?	CDM validation and verification standard for project activities §326c	DR	There hasn't been any material information detected.	OK	OK
5.4.5.4.	10 per cent of the emission reductions or removals for the microscale project activities?	CDM validation and verification standard for project activities §326e	DR	There hasn't been any material information detected.	OK	OK
5.4.5.5.	5 per cent of the emission reductions or removals for small-scale project activities other than project activities covered under 5.4.5.4 above?	CDM validation and verification standard for project activities §326d	DR	There hasn't been any material information detected.	OK	OK
6. APPENDICES						
6.1.	If any further background information regarding any raw data from monitoring is provided, is this information correct and supported by the appropriate	VCS MR Template Version 4.1	DR	Please see CAR-2 and CAR-21.	CAR-2 CAR-21	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
evidence?					
6.2. If any further background information regarding additional information used in the monitoring plan is provided, is this information correct and supported by the appropriate evidence?	VCS MR Template Version 4.1	DR	N/A	OK	OK
6.3. If any further background information regarding documentation of activities conducted from the monitoring plan and diagrams are provided, is this information correct and supported by the appropriate evidence?	VCS MR Template Version 4.1	DR	N/A	OK	OK
7. OTHER REQUIREMENTS					
7.1. Forward Action Requests (FARs) Identified During Validation and/or Previous Verification					
7.1.1. Is there any remaining FARs from the validation and/or previous verification activities?	CDM validation and verification standard for project activities §319c, 395h	DR	There is a FAR from the validation process: Many structures were not implemented yet. Therefore the location of the main structures must be verified during verification site visit. During the site visit, it was confirmed that the implementation of the project activity is in line with the registered PD. Therefore, **this FAR has been closed.**	OK	OK
7.1.2. If there any remaining FARs from the validation and/or previous verification activities, have the PPs addressed these FARs in the MR?	CDM validation and verification standard	DR	There is a FAR from the validation process: Many structures were not implemented yet. Therefore the location of the main structures must be verified during verification site visit.	OK	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
	for project activities §320		During the site visit, it was confirmed that the implementation of the project activity is in line with the registered PD. Therefore, **this FAR has been closed.**		
7.1.3. Has the FARs been resolved?	CDM validation and verification standard for project activities §344d, §346	DR	There is a FAR from the validation process: Many structures were not implemented yet. Therefore the location of the main structures must be verified during verification site visit. During the site visit, it was confirmed that the implementation of the project activity is in line with the registered PD. Therefore, **this FAR has been closed.**	OK	OK

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Table 2 – 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 use Arial or Century Gothic 10.5pt, black, regular (non-italic) font for all items in the MR (e.g. Section 1.8). b) Please correct the numbering of the sections (e.g. the subsections' numbers of the Section 3.2)	1	a) Sections 1.8, 1.11 , 4.1 and 5.2 are revised and all fonts became regular, black and non-italic. b) Sub-sections of Section 3.2 are corrected.	Review-1: a) Ok Closed (The relevant sections were revised accordingly.) b) Ok Closed (The numbering was revised correctly.)
CAR-2 a) Please correct the installed capacity specified in Section 1.1 based on the generation license. b) Please indicate the project proponent of the project activity in Section 1.1. c) In VCS Registry system, the start date of the crediting period is stated as "20/06/2014". If the start date was changed because the electricity production started at 01/07/2014, please inform Verra about this issue. d) Please mention the number of turbines and their characteristic features in Section 1.1. e) Please indicate the total electricity generation value for the current monitoring period in Section 1.1. f) The emission reduction value indicated in Section 1.1 is different from the value indicated in the ER Calculation Excel sheet.	1.1.1	a) Installed capacity is corrected and Section 1.1. is revised. b) Project proponent is indicated in Section 1.1 c) The issue is corrected. Monitoring period is corrected as 20 June 2014-19 June 2020, which is in compliance with the PDD. Excel files, cover page of the MR and content of the MR is revised as 20 June 2019 -19 June 2020. d) Number of turbines and their characteristic are added to the Section 1.1. e) total electricity generation value is revised in the Section 1.1. f) Emission reductions in excel and MR are	Review-1: a) Ok Closed (The installed capacity was revised correctly.) b) Ok Closed (The project proponent was indicated in Section 1.1.) c) In Table 5, the monitoring period start date is demonstrated as "01/07/2014". Please correct this issue. d) Ok Closed (Information of turbines was indicated in Section 1.1.) e) Ok Closed (The total electricity generation was indicated in Section 1.1.) f) Ok Closed (The values are compatible with each other.) g) Ok Closed (All ER values were shown as integers.) h) Ok Closed (All electricity

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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
Please correct this contradiction. g) Please include all ER values as an integer value throughout the MR and in the ER Calculation Excel sheet. h) Please indicate all electricity generation values to be 2 digits after the comma (in MWh unit) throughout the MR and in the ER Calculation Excel sheet. i) Please add the electricity generation values in MWh in the ER Calculation Excel sheet.		the same. Both MR and excel sheets are revised. g) All ER values are taken as an integer value both in MR and excel sheet. h) Electricity generation values are kept as 2 digits after the comma (in MWh unit) throughout the MR and in the ER Calculation Excel sheet. Also rounded down. i) Electricity generation values in MWh are added to the excel sheet. Round 2 Response: Table 5 is corrected.	generation values were corrected.) i) Ok Closed (The electricity generation values were shown accordingly.) Review-2: c) Ok Closed (Table 5 was revised accordingly.)
CAR-3 Please indicate the purpose of the project activity clearly in Section 1.1.	1.1.2	Purpose of the project is added to the Section 1.1.	Review-1: Ok Closed (The purpose of the project activity was indicated in Section 1.1.)
CAR-4 Please provide the brief description of the installed technology and equipment including turbines, their brief specifications in the Section 1.1 of the MR.	1.1.3	Brief description of the installed technology and equipment is added to the Section 1.1. Round 2 Response: Section 1.1. is revised and a table is added that describes technical details of the project.	Review-1: Please provide the brief description of the installed technology besides turbines in Section 1.1 of the MR. Review-2: Ok Closed (The installed technology was indicated in Section 1.1.)

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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-5 In the generation license and provisional acceptance protocol, the project proponent is stated as "Etken Elektrik Üretim Ltd. Şti.", not "Etken Elektrik Enerji Uretim Ltd.Şti.". Please clarify this issue.	1.3.1	Section 1.3 is revised as per the comment, to Section 1.1 project proponent is added with the correct title.	Review-1: Ok Closed (The necessary revisions were made.)
CAR-6 Please indicate the change of the project start date and its reason which are stated in Section 1.1.	1.5.1	Project start date is 20 June 2014 and this is the start date of the 1s crediting period. These dates are valid dates in the report. We mistakenly changed the start date. Now it is corrected in the whole report.	Review-1: Ok Closed (The start date of the project activity was corrected throughout the MR.)
CAR-7 Please indicate the change of the start date of the crediting period and its reason which are stated in Section 1.1.	1.6.1	Project start date is 20 June 2014 and this is the start date of the 1s crediting period. These dates are valid dates in the report. We mistakenly changed the start date. Now it is corrected in the whole report.	Review-1: Ok Closed (The start date of the crediting period was corrected throughout the MR.)
CAR-8 Please correct the version numbers of the applied tools based on the registered PD.	1.8.2.2	Tool 07 version number corrected as 4.0.0 based on the registered PD.	Review-1: Ok Closed (The version numbers of the applied tools were revised correctly.)
CAR-9 Please provide the signed and sealed letter on company letterhead that the project hasn't been registered, or hasn't been seeking registration under any other GHG programs.	1.9.1	Signed and sealed letter is provided in the 1st round.	Review-1: Ok Closed (The signed and sealed letter was provided.)
CAR-10 Please provide the signed and sealed letter	1.10.1	Signed and sealed letter is provided in the 1st round.	Review-1: Ok Closed (The signed and sealed

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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
on company letterhead that project hasn't been included in an emission trading program; or any other mechanism that includes GHG allowance trading.			letter was provided.)
CAR-11 a) The parameter set for SDG 11 is "Annual mean levels of fine particulate matter". Therefore, in the contribution part, a value based on this parameter must be specified. Please specify this value or remove this SDG from section 1.11 of the MR. b) Please indicate each SDG contribution in the ER Calculation Excel sheet as well. c) The total electricity generation specified in the ER Calculation Excel sheet and the total electricity generation value specified in Section 1.11 are different from each other. Please correct the contradiction. d) Please refer the CDM Tool: "Tool to determine the remaining lifetime of equipment" for the lifetime of the project activity and revise the total electricity generation value of the project activity considering this tool. e) During the site visit, it was mentioned that 9 people work in the plant currently, and 5 out of them are local. Therefore, please revise the information about employment in Section 1.11 of the MR. f) The total emission reduction value specified in the ER Calculation Excel sheet and the value specified in Section 1.11 are	1.11.1.1	a) SDG 11 is removed from the Section 1.11. b) ER Calculation Excel sheet is revised to include SDG contribution. c) Both excel file and Section 1.1 are corrected. d) Section 1.11 is revised as per the comment. e) Section 1.1. is revised accordingly. f) Both excel and Section 1.1. are corrected.	Review-1: a) Ok Closed (SDG11 was removed.) b) Ok Closed (Each SDG contribution was indicated in the Excel sheet.) c) Ok Closed (The values are compatible with each other.) d) Ok Closed (The relevant tool was referred.) e) Ok Closed (The employee number was corrected.) f) Ok Closed (The values are compatible with each other.)

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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
different from each other. Please correct the contradiction.			
CAR-12 a) Please revise the date of EIA Exemption in Section 2.1. b) Please include the precautions taken for the possible negative environmental and socio-economic impacts of the project activity in the Section 2.1 of the MR.	2.1.1	a) Section 2.1. EIA exemption date is corrected. c) Section 2.1 is revised. Round 2 Response: Duplication removed.	Review-1: a) Please remove the duplicate information of EIA based on the date of the evidence document in Section 2.1 of the MR. b) Ok Closed (The precautions were indicated in Section 2.1.) Review-2: a) Ok Closed (The duplication was removed.)
CAR-13 a) Please provide the procedures or methods used for engaging local stakeholders. b) Please provide the procedures or methods used for documenting the outcomes of the local stakeholder communication in the Section 2.2 of the MR. c) Please include the current status of the on-going communication with the local stakeholders in the Section 2.2 of the MR. d) Please indicate the details on any updates to the project design or justifying why updates are not appropriate.	2.2.1	a) Methods used for engaging local stakeholders are added to the Section 2.2. b) Section 2.2. is revised. c) Section 2.2. is revised d) Section 2.2. is revised.	Review-1: a) Ok Closed (The procedures used for engaging local stakeholders were indicated in Section 2.2.) b) Ok Closed (The procedures used for documenting were indicated in Section 2.2.) c) Ok Closed (The current status was indicated in Section 2.2.) d) Ok Closed (The updates were indicated.)
CAR-14 The deviation which is mentioned in the Section 3.2.1 is not related with the	3.2.1.1	Second para of Section 3.2.1 is deleted and moved to the Section 3.2.2.	Review-1: Ok Closed (Section 3.2.1 was revised.)

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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
methodology deviation. It is related with the Project Description Deviation. Therefore, please indicate this information in the relevant section.			
CAR-15 a) Please revise "TEIAS" statements as "PMUM records" in Section 3.2.2. b) EPIAS screenshots were provided for the evidence of the electricity generation values. However, it is stated that EPIAS and Akedaş invoices were used for this purpose. Please correct the contradiction.	3.2.2.1	a) Section 3.2.2 is revised. c) Section 3.2.2 is revised. Round 2 Response: corrected as follows: Hence, "Koroglu HEPP electricity generation data ($EG_{Facility,y}$)" is now determined by the PMUM records, which show both electricity generation and consumption." 3rd Round Response: a) Section 3.2.2. is revised accordingly.	Review-1: a) Please revise "TEIAS" statements as "PMUM records" in Section 3.2.2. b) Ok Closed (Section 3.2.2 was revised accordingly.) Review-2: a) Please clearly state the difference between PMUM and EPIAS records in Section 3.2.2 considering which one is currently used. Review-3: a) Ok Closed (Section 3.2.2 was revised accordingly.)
CAR-16 a) Please indicate APJ monitoring parameter in Section 4.2 and provide its evidence document. b) Please correct the source of data of EGfacility,y parameter. c) Please correct the value applied for EGfacility,y parameter considering the current monitoring period and specify the vintage values of this parameter.	4.2.1	a) APJ monitoring parameter is added to the Section 4.2. b) source of data of EGfacility,y parameter is corrected as PMUM platform, EPIAŞ screenshots. c) EGfacility,y – value monitored is revised. EG generation for each year in the	Review-1: a) Ok Closed (A_{PJ} parameter was added in Section 4.2.) b) PMUM platform is not currently available since the name was changed as EPIAS. Therefore, please revise the source of data of $EG_{facility,y}$ considering the main source of the

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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
d) Please correct the future tense sentences throughout the MR because the project is already in operation. e) Please indicate the calibration frequency and its evidence document in Section 4.2. f) Please correct the cross-checked method in Section 4.2. g) Please correct the purpose of EGfacility,y parameter. h) Please indicate QA/QC procedures for each parameter in Section 4.2.		monitoring period is added. d) Future tenses sentences are corrected case by case. e) calibration frequency added to the QA/QC row of EGfacility in Section 4.2. f) cross-checked method in Section 4.2. is corrected. g) purpose of EGfacility,y parameter is corrected as "baseline emissions." g) QA/QC procedures for each parameter in Section 4.2 are added and revised. Round 2 Response: corrected as follows: Source of data changes as "EPİAŞ Screenshots"	electricity generation. c) Ok Closed (The "Value Applied" of $EG_{facility,y}$ was revised correctly.) d) Ok Closed (Future tense sentences were removed.) e) Ok Closed (The calibration frequency was indicated in Section 4.2.) f) Ok Closed (The cross-checked method was revised correctly.) g) Ok Closed (The purpose of $EG_{facility,y}$ was corrected.) h) Ok Closed (QA/QC procedures were indicated for each parameter.) Review-2: b) Ok Closed (The source of data was corrected.)
CAR-17 a) Please include the meter details covering the monitoring period in the Section 4.2 of the MR. b) Please include the meter test and calibration dates of the electricity meters. c) Please provide the electricity meter test protocols covering the monitoring period. d) Please indicate if there is any meter	4.2.7	a) Details of metering devices are added to the Section 4.2. b) Please include the meter test and calibration dates of the electricity meters. c) Test protocols added to the Section 4.2. d) Please indicate if there is any meter change procedure in Section 4.2 of the MR.	Review-1: a) Please include the meter details covering the monitoring period in the Section 4.2 of the MR. b) Please include the meter test and calibration dates of the electricity meters. c) Please provide the electricity meter test

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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
change procedure in Section 4.2 of the MR.		Round 2 Response: corrected as follows: d) In practice in Turkey, instead of applying calibration to power meters every 10 years, TEIAŞ replaces the power meters with the brand new ones. This information is added to the Section 4.2. c) Because of the approach given in previous paragraph, calibration and routine tests are not applied. According to the information given to us from the technical manager of the Koroglu HEPP, AKEDAŞ made a spot check on 24.05.2019, other than this no check -/test or calibration applied. Section 4.3: Added: "Because of this approach of TEİAŞ, routine tests are not applied to the power meters." a) Section 4.2., monitoring equipment raw in the table is revised as "Details of metering devices within the monitoring period 20.06.2014-19.06.2020 are;" *b)* QA/QC procedures to be applied raw is revised as follows: *"However, in practice, instead of applying calibration to power meters,*	protocols covering the monitoring period. d) Please indicate if there is any meter change procedure in Section 4.2 of the MR. If there is, please indicate information about this change. Review-2: a) If there was a meter change process, please also indicate the meter change date and new electricity meter details in Section 4.2 and 4.3 of the MR. b) Please indicate the first index protocol date in Section 4.2. c-d) Please provide the meter change protocol document, if any. Review-3: a) Ok Closed (The clarification was made.) b) Ok Closed (In the registered PDD, the first index was confirmed.) c-d) Ok Closed (The clarification was made.)

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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
		they are replaced with the brand new ones every 10 years. Therefore, calibration is not a necessity in the prevailing practice in the energy sector. Because of this approach of TEIAŞ, routine tests are not applied to the power meters. Electricity distribution company, which is contracted by the TEİAŞ to transmit electricity from Koroglu to the NGST, made a spot check to the power meters on 29.05.2019." 3Rd Round Response: a.During the monitoring period, meter change did not take place. b. First index protocol date can be referred to the PDD. c. Since there is not meter change happened during the monitoring period, no protocol is available.	
CAR-18 a) Please correct the name of Supervisory Control and Data Acquisition System. b) Please indicate the cross-checked method in Section 4.3 as well.	4.3.1	a) corrected as SCADA. b) Cross-checked method is added to the 4.3 as well. "Electricity generation data from EPIAŞ is crosschecked onsite power meters readings in the form OSF (Otomatik Sayaç Formu -Automatic Meter Form) records"	Review-1: a) Ok Closed (The typo error was corrected.) b) Ok Closed (The cross-checked method was added in Section 4.3.)
CAR-19 Please indicate the period time for storage of	4.3.2.5	Period time for archiving of data is indicated in Section 4.3.	Review-1: Ok Closed (The period time of

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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
data.			storage of data was indicated in Section 4.3.)
CAR-20 Please provide brief roles and responsibilities of personnel, and emergency procedures for the monitoring system under Section 4.3 of the MR.	4.3.3	Roles and responsibilities are added to the Section 4.3.	Review-1: Ok Closed (The responsibilities were indicated in Section 4.3.)
CAR-21 a) Please revise the electricity generation values in the ER Calculation Excel sheet and throughout the MR based on the provided EPIAS screenshots (e.g. July 2014). b) Please revise the baseline emission values in the ER Calculation Excel sheet and throughout the MR based on the correction above. c) Please indicate the baseline emission values in monthly basis in the ER Calculation Excel sheet.	5.1.1	a) excel sheet and MR report are revised as per the comment. b) excel sheet and MR report are revised as per the comment. c) baseline emission values in monthly basis are added to the ER Calculation Excel sheet.	Review-1: a) Ok Closed (EPIAS values were used correctly.) b) Ok Closed (The necessary revisions were made.) c) Ok Closed (The baseline emission values were indicated in the Excel sheet.)
CAR-22 Please indicate the power density calculation in the ER Calculation Excel sheet.	5.2.1	ER Calculation Excel sheet is revised and power density calculation is added.	Review-1: Ok Closed (The power density was indicated in the Excel sheet.)
CAR-23 Please include the relevant formulae for the calculation of net GHG emission reductions and removals in the Section 5.4 of the MR.	5.4.4	Relevant formulation (emission reduction) is added to the Section 5..4.	Review-1: Ok Closed (The relevant formula was indicated in Section 5.4.)
CL-1 Please add the page numbers in the MR.	4		Review-1: Ok Closed (The page numbers were added.)

* 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 proponents' Response	Verification Team Conclusion
CL-2 Please indicate the closest settlement and its distance to the project site in Section 1.7.	1.7.1	The closest settlement, inci village, Added to the Section 1.7.	Review-1: Ok Closed (The closest settlement was indicated in Section 1.7.).
CL-3 Please revise the reference link of the methodology.	1.8.1.2	Reference list of the AMS-I.D is revised to enable directly access to the version 17.0.	Review-1: Ok Closed (The reference link was revised.)
CAR-24 In Appendix 1, in the first row of the table, the period is written as "20-Jun-2014 – 31-Jun-2014". However, it should be 30-Jun-2014. Please correct this issue.	ITR	Corrected. 20-Jun-14 -30-Jun-2014	Review-1: Ok Closed (The PD was revised correctly.)
CAR-25 In the ER Excel sheet, in "Cell B82", "Cell B83", and "Cell B83"rows, months are stated for 2022. Please correct these months according to the monitoring period.	ITR	Corrected as 2020.	Review-1: Ok Closed (The Excel sheet was revised correctly.)
CAR-26 Please correct the operating margin in Section 5.1 of the MR based on the registered PD.	ITR	OM is corrected as 0.6555, as stated in PDD.	Review-1: Ok Closed (The operating margin was revised correctly.)
CAR-27 The estimated ERs for the June 2014 (20/06/2014-31/12/2014) is provided as "7,397 tCO2" as per the "Cell S6" of the "ERsCalculations 2014-2020" spreadsheet of the ERs Excelsheet. However the ex-ante ERs estimate for the same period (20/06/2014-31/12/2014) is provided as "6448.95 tCO2" as per the Section 3.4 of the registered PD. Please correct this estimated	ITR	Excel is corrected as per the PDD, 6448 is added and 7,397 is removed.	Review-1: Ok Closed (The Excel sheet was revised.)

* 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 proponents' Response	Verification Team Conclusion
value in the Excel sheet.			
CL-4 Please indicate the periods during which the stakeholder inputs have been sought in Section 2.2 of the MR.	ITR	Monitoring period is added to the second paragraph from the last.	Review-1: Ok Closed (The periods were indicated in Section 2.2.)

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

APPENDIX 2: VERIFICATION TEAM AND ITR COMPETENCE

Mrs. Fikriye Seda ATABEK holds B.Sc. degree in “Chemical Engineering” and a M.Sc. degree in “Energy Science and Technology”. She is a lead auditor and trainer for ISO 50001 and since 2004 has been working in the fields of “Management systems”, “ISO 14064” and “Energy Management in Industry”. She has been involved in more than 100 GS and VCS projects as an ITR, Team Leader, Validator and Verifier. With re-carbon, Seda is a free-lance Team Leader and ITR.

Mr. Rohit BADAYA holds a Master’s degree in “Nanotechnology” and a Bachelor’s degree in “Pulp and Paper Engineering” from the Indian Institute of Technology Roorkee (IIT Roorkee). He is also an Energy Auditor, certified by the Bureau of Energy Efficiency, Ministry of Power, Govt. of India. Rohit has more than 13 years of work experience in the area of Climate Change (CDM, GS, VCS) and has worked for various DOEs/VVBs in the past, including “TÜV Nord”, “PJRCES Inc.” and “KBS Certification Services Private Limited”, where he worked as a Team Leader, Validator/Verifier, Technical Expert, ITR, Manager (Technical & Certification) and Quality Manager. Within the context of CDM/GS/VCS, Rohit is a Technical Expert for Technical Areas TA 1.1 (Thermal energy generation from fossil fuels and biomass including thermal electricity from solar), TA 1.2 (Energy generation from renewable energy sources), TA 2.1 (Energy Distribution), TA 3.1 (Energy Demand), TA 13.1 (Waste Handling and Disposal) and TA 13.2 (Manure). Rohit has a record of accomplishment of more than 200 projects as Team Leader, Validator, Verifier, Technical Expert and Technical Reviewer. He is well versed with various local regulations related to CDM/GS/VCS projects, located in countries in Africa, Asia as well as in Turkey. With re-carbon, Rohit is a free-lance Team Leader and ITR.

Ms. Öykü YAKUPOĞLU holds a B.Sc. degree in “Environmental Engineering” from Middle East Technical University/Ankara and currently undergoes a M.Sc. program in “Chemistry”. She is experienced in ISO 14001: 2015 - Environment Management System, ISO 50001: 2018- Energy Management System, ISO 45001: 2018 - Occupational Health and Safety, Management System, ISO 9001: 2015 - Quality Management System Internal Auditor, ISO 14001: 2015 - Environment Management System Internal Auditor and an ISO 50001: 2018-Energy Management System Internal Auditor. With re-carbon, Öykü is an internal Validator/Verifier and Team Leader Trainee.

Appendix 2-1: Appointment Certificates

CERTIFICATE OF APPOINTMENT

re-carbon®
quality in carbon auditing

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 **01.08.2022** by:

Christian Johannes
(General Manager)

This Certificate of Appointment is given to

Mrs. Fikriye Seda Atabek

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

							Gold Standard					Verified Carbon Standard				
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															
	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
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
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
SS 13: Waste handling and disposal	TA 13.1: Solid waste and wastewater															
	TA 13.2: Manure															
SS 15: Agriculture	TA 15.1: Agriculture															

		GCC					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															
	TA 1.2: Renewables	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022										
SS 02: Energy distribution	TA 2.1: Energy distribution	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022										
SS 03: Energy demand	TA 3.1: Energy demand	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022										
SS 13: Waste handling and disposal	TA 13.1: Solid waste and wastewater															
	TA 13.2: Manure															
SS 15: Agriculture	TA 15.1: Agriculture															

COUNTRY EXPERTISE: Turkey, China

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CERTIFICATE OF APPOINTMENT

re-carbon
quality in carbon auditing

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- Bring specific expertise to assessments

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This Appointment Certificate is granted on the date of **01.08.2022** by:

Christian Johannes
(General Manager)

This Certificate of Appointment is given to

Mr. Rohit Badaya

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

SECTORAL SCOPE	TECHNICAL AREA	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
SS 01: Energy industries	TA 1.1: Thermal energy generation	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021
	TA 1.2: Renewables	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021
SS 02: Energy distribution	TA 2.1: Energy distribution	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021
SS 03: Energy demand	TA 3.1: Energy demand	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021
SS 13: Waste handling and disposal	TA 13.1: Solid waste and wastewater	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021
	TA 13.2: Manure	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021
SS 15: Agriculture	TA 15.1: Agriculture					

Gold Standard
Climate Security & Sustainable Development

SECTORAL SCOPE	TECHNICAL AREA	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
SS 01: Energy industries	TA 1.1: Thermal energy generation	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021
	TA 1.2: Renewables	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021
SS 02: Energy distribution	TA 2.1: Energy distribution	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021
SS 03: Energy demand	TA 3.1: Energy demand	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021
SS 13: Waste handling and disposal	TA 13.1: Solid waste and wastewater	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021
	TA 13.2: Manure	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021
SS 15: Agriculture	TA 15.1: Agriculture					

Verified Carbon Standard
A VERRA STANDARD

SECTORAL SCOPE	TECHNICAL AREA	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
SS 01: Energy industries	TA 1.1: Thermal energy generation	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021
	TA 1.2: Renewables	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021
SS 02: Energy distribution	TA 2.1: Energy distribution	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021
SS 03: Energy demand	TA 3.1: Energy demand	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021
SS 13: Waste handling and disposal	TA 13.1: Solid waste and wastewater	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021
	TA 13.2: Manure	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021
SS 15: Agriculture	TA 15.1: Agriculture					

GCC

SECTORAL SCOPE	TECHNICAL AREA	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
	TA 1.2: Renewables	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022
SS 02: Energy distribution	TA 2.1: Energy distribution	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022
SS 03: Energy demand	TA 3.1: Energy demand	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022
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
	TA 13.2: Manure	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022
SS 15: Agriculture	TA 15.1: Agriculture					

ICR International Carbon Registry

SECTORAL SCOPE	TECHNICAL AREA	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
SS 01: Energy industries	TA 1.1: Thermal energy generation					
	TA 1.2: Renewables					
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					

BioCarbon Registry

SECTORAL SCOPE	TECHNICAL AREA	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
SS 01: Energy industries	TA 1.1: Thermal energy generation					
	TA 1.2: Renewables					
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					

COUNTRY EXPERTISE: India and Turkey

CERTIFICATE OF APPOINTMENT

re-carbon®
quality in carbon auditing

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 **01.08.2022** by:

Christian Johannes
(General Manager)

This Certificate of Appointment is given to

Ms. Öykü Yakupoğlu

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

UNFCCC

SECTORAL SCOPE	TECHNICAL AREA	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
SS 01: Energy industries	TA 1.1: Thermal energy generation					
	TA 1.2: Renewables					
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					

Gold Standard (Climate Security & Sustainable Development)

SECTORAL SCOPE	TECHNICAL AREA	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
SS 01: Energy industries	TA 1.1: Thermal energy generation					
	TA 1.2: Renewables	30.06.2022	30.06.2022			30.05.2022
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					

Verified Carbon Standard (A VERRA STANDARD)

SECTORAL SCOPE	TECHNICAL AREA	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
SS 01: Energy industries	TA 1.1: Thermal energy generation					
	TA 1.2: Renewables	30.06.2022	30.06.2022			30.05.2022
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					

GCC

SECTORAL SCOPE	TECHNICAL AREA	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
SS 01: Energy industries	TA 1.1: Thermal energy generation					
	TA 1.2: Renewables	30.06.2022	30.06.2022			30.06.2022
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					

ICR International Carbon Registry

SECTORAL SCOPE	TECHNICAL AREA	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
SS 01: Energy industries	TA 1.1: Thermal energy generation					
	TA 1.2: Renewables					
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					

BioCarbon Registry

SECTORAL SCOPE	TECHNICAL AREA	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
SS 01: Energy industries	TA 1.1: Thermal energy generation					
	TA 1.2: Renewables					
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					

COUNTRY EXPERTISE: Turkey