DERELI HYDROELECTRIC POWER PLANT
3RD VERIFICATION REPORT

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Project title	Dereli Hydroelectric Power Plant
Project ID	1758
Verification period	01-January-2022 to 09-January-2024
Original date of issue	24-June-2024
Most recent date of issue	16-September-2024
Version	02
VCS Standard Version	4.7
Client	AYDEM Yenilenebilir Enerji A.Ş.

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Summary:

"Dereli Hydroelectric Power Plant" is operated by "AYDEM Yenilenebilir Enerji A.Ş." which is the parent company of "Karhes Hidroelektrik Enerjiden Elektrik Üretim Santrali Ltd" (the project proponent). The project activity is located in Dereli Town of Giresun Province in the Black Sea Region of Turkey. The commissioning date of the project is 10/01/2014 as per the provisional acceptance protocol of the turbines. There are 2 Vertical Axis Francis turbines with an installed capacity of 29.34 MWm/24.60 MWe for each. Therefore, the total installed capacity of the project activity is 58.77 MWm/49.20 MWe. This information has been confirmed via the provisional acceptance protocol.

The purpose of the project activity is to generate electricity and supply it to 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.

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 2.01 and dated 11/09/2015.

The project activity and the monitoring report are assessed against the requirements of the approved consolidated baseline and monitoring Methodology ACM0002 "Consolidated baseline methodology for grid-connected electricity generation from renewable sources." Version 16.0.0 and VCS Standard version 4.7.

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

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)
2022	59,342	0	0	59,342

2023	73,347	0	0	73,347
2024	245.00	0	0	245.00
Total	132,934	0	0	132,934

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1 INTRODUCTION

1.1 Objective

Through a contract, dated 26/05/2023, Re Carbon Ltd. was appointed by "AYDEM Yenilenebilir Enerji A.Ş." to perform the 3rd periodic verification of the "Dereli Hydroelectric Power Plant". The objective of this verification activity was to assess, with objective evidence:

- if the monitoring report version 07 dated "03/09/2024" conforms with the requirements of the monitoring plan of the registered Project Description (PD) and the approved methodology
- if the project activity conforms with the monitoring report and the registered PD, and
- if the data reported in the monitoring report are complete and transparent.

1.2 Scope and Criteria

The scope of the verification is the independent and objective review of the monitored GHG reductions. The verification activity is based on the validated and registered PD version 2.01, dated 11/09/2015.

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, ACM0002 "Consolidated baseline methodology for grid-connected electricity generation from renewable sources." Version 16.0.0, 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 4.7.

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

"Dereli Hydroelectric Power Plant" is operated by "AYDEM Yenilenebilir Enerji A.Ş.". The project activity is located in Giresun Province in the Black Sea Region of Turkey. The commissioning date of the project is

10/01/2014 as per the provisional acceptance protocol of the turbines. There are 2 Vertical Francis turbines with an installed capacity of 29.34 MWm/24.60 MWe for each. Therefore, the total installed capacity of the project activity is 58.77 MWm/49.20 MWe. This information has been confirmed via the provisional acceptance protocol.

The technical description of the turbines and generators is as follows:

Equipment	Turbine
Quantity	2
Supplier	Zhejiang Orient Engineeing Co. Ltd
Manufacturer	SICHUAN DONGFENG ELECTRIC MACHINERY WORKS CO., LTD
Rated speed	600 r/min
Axis	Vertical Axis Francis
Net Head	281.19 m
Flow Rate	10210 L/s
Production Date	2007

Equipment	Generator
Quantity	2
Supplier	Zhejiang Orient Engineeing Co. Ltd
Manufacturer	SICHUAN DONGFENG ELECTRIC MACHINERY WORKS CO., LTD
Type	SF24.6 – 10/3250
Rotation	600 rpm
Frequency	50 Hz
Rated power	24600 kW
Production Date	2007
Number of Phase	3

The start date of the project activity is 10/01/2014 which is the date when the Unit-I and II are commissioned as verified through the provisional acceptance protocol and the first crediting period is from 10/01/2014 until 09/01/2024 with 10 years fixed.

The monitoring period dates are as follows:

1st monitoring period	10/01/2014 – 30/09/2020
2nd monitoring period	01/10/2020 – 31/12/2021
3rd monitoring period	01/01/2022 – 09/01/2024

2 VERIFICATION PROCESS

2.1 Method and Criteria

Through a contract, dated 26/05/2023, Re Carbon Ltd. was appointed by "AYDEM Yenilenebilir Enerji A.Ş." to perform the 3rd periodic verification of the "Dereli Hydroelectric Power Plant". The objective of this verification activity was to assess, with objective evidence:

- if the monitoring report version 07 dated "03/09/2024" conforms with the requirements of the monitoring plan of the registered PD and the approved methodology
- if the project activity conforms with the monitoring report and the registered PD, and
- if the data reported in the monitoring report are complete and transparent.

The scope of the verification is the independent and objective review of the monitored GHG reductions. The verification activity is based on the validated and registered PD version 2.01 dated 11/09/2015.

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, ACM0002 "Consolidated baseline methodology for grid-connected electricity generation from renewable sources." Version 16.0.0, 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 4.7.

The only purpose of the verification and certification is its usage during the issuance process as a part of the VCS project cycle. Therefore, Re Carbon Ltd. cannot be held liable by any party for decisions made or not made based on the verification and certification opinion, which will go beyond that purpose.

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

Table 2-1: Verification Schedule

Activity	Timeline		Total Days
	From	To	
Desk Review	27.07.2023	24.06.2024	334
Review of the MR version 01	27.07.2023	27.08.2023	32
Site Visit	15.08.2023	15.08.2023	1
Issuance of the Verification Protocol version 01	25.08.2023	27.08.2023	3
Review of PPs Initial Set of Responses	20.09.2023	6.11.2023	48
Issuance of the Verification Protocol version 02	6.11.2023	6.11.2023	1
Review of PPs Second Loop Responses	15.11.2023	4.01.2024	51
Issuance of the Verification Protocol version 03	4.01.2024	4.01.2024	1
Review of PPs Third Loop Responses	8.02.2024	14.02.2024	7
Issuance of the Verification Protocol version 04	14.02.2024	14.02.2024	1
Review of PPs Fourth Loop Responses	16.02.2024	4.03.2024	18
Issuance of the Verification Protocol version 05	4.03.2024	4.03.2024	1
Review of PPs Fifth Loop Responses	27.03.2024	9.05.2024	44
Issuance of the Verification Protocol version 06	9.05.2024	9.05.2024	1
Review of PPs Sixth Loop Responses	10.06.2024	10.06.2024	1
Closing of all the CARs and CLs	10.06.2024	24.06.2024	15
Issuance of the Verification Report version 01	24.06.2024	25.06.2024	2
ITR Process	25.06.2024	13.09.2024	81
Issuance of the Verification Report version 02	6.09.2024	16.09.2024	11
ITR Approval	13.09.2024	13.09.2024	1
Submission for Final Approval	16.09.2024	16.09.2024	1
Submission to the PP	16.09.2024	16.09.2024	1

2.2 Document Review

The basis for the verification activity is the monitoring report version 1, dated 26/07/2023 which was submitted to the verification team on 27/07/2023. This monitoring report was revised several times due to issued CARs and CLs, with version 07, dated 03/09/2024 being the final version. The monitoring report and the monitoring activities were assessed against the registered PD, version 2.01, dated 11/09/2015, the ACM0002 "Consolidated baseline methodology for grid-connected electricity generation from renewable sources." Version 16.0.0, 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 1.2 dated 07/10/2015.

The following actions were involved in the desk review:

- A review of the data and information presented to verify their completeness.
- A review of the monitoring plan and monitoring methodology, paying particular attention to the frequency of measurements, the quality of metering equipment including calibration requirements, and the quality assurance and quality control procedures
- An evaluation of data management and the quality assurance and quality control system in the context of their influence on the generation and reporting of emission reductions

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

Table 2-2: List of documents reviewed

Document Number	Document Name	Version	Date (dd/mm/yyyy)
D01	Monitoring Report	1	26/07/2023
D02	Monitoring Report	2	19/10/2023
D03	Monitoring Report	3	04/01/2024
D04	Monitoring Report	4	16/02/2024
D05	Monitoring Report	5	24/06/2024
D06	ER Calculation Excel Sheet	01	26/07/2023
D07	ER Calculation Excel Sheet	02	19/10/2023
D08	ER Calculation Excel Sheet	03	04/01/2024
D09	ER Calculation Excel Sheet	04	25/02/2024
D10	Single Line Diagram	-	-

Document Number	Document Name	Version	Date (dd/mm/yyyy)
D11	System Usage Agreement	-	25/01/2019
D12	Generation License	-	06/12/2004
D13	Provisional Acceptance Document	-	10/01/2014
D14	Meter change and First Index Protocol for current meters	-	19/11/2020
D15	Current Meters Test Reports	-	22/06/2020
D16	Official Gazette published including name change of the PP.	-	27/12/2019
D17	Registered VCS-PD for the 1st Crediting Period	2.01	11/09/2015
D18	Registered VCS-Validation report for the 1st Crediting Period	1.2	07/11/2015
D19	Photographic evidences of turbine name tags	-	-
D20	EPIAS Records	-	01/2022 - 01/2024
D21	Meter Reading Forms (OSF Forms) for cross-checking	-	01/2022 - 01/2024
D22	KMZ file of the Project Activity	-	-
D23	EIA not necessary decision	-	27/04/2006
D24	Social Security Records of the Employees	-	2022 2023
D25	Signed Declaration about Double Counting	-	30/01/2024
D26	Photographic Evidence of the Complaint Box	-	-
D27	Hazardous waste records		31/12/2022, 05/08/2022, 10/01/2022, 14/02/2023, and 23/02/2023, 10/08/2023
D28	Wastewater records		22/11/2022

Document Number	Document Name	Version	Date (dd/mm/yyyy)
D29	Solid- waste records		29/12/2022, 1212/2023, 18/12/2023, 05/01/2024, 08/01/2024, 09/01/2024
D30	Signed and sealed letter from the mukhtar	-	30/01/2024
D31	2nd Monitoring Period Verification Report	4	02/11/2022
D32	ACM0002	16.0	28/11/2014
D33	Tool for the demonstration and assessment of additionality	07.0	23/12/2022
D34	Tool to calculate the emission factor for an electricity system	04.0	04/10/2013
D35	Tool to calculate project or leakage CO_2 emissions from fossil fuel combustion	03.0	22/10/2017
D36	CDM Validation and Verification Standard for Project Activities	3.0	09/09/2021
D37	CDM Project Standard for Project Activities	3.0	09/09/2021
D38	Monitoring Report	06	09/08/2024
D39	Monitoring Report	07	03/09/2024
D40	ER Excel Spreadsheet	05	03/09/2024

2.3 Interviews

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

The list of individuals who were interviewed during the verification process, executed on 15/08/2023 is given in Table 2-3 below:

Table 2-3: List of individuals interviewed.

Reference Number	Means of Interview[1]	Full Name	Title	Organization
I01	SV	Sultan TUNÇBİLEK	Environmental Expertise	Aydem Yenilenebilir Enerji A.Ş.
I02	SV	Deniz YURTOĞLU	Project Manager	GTE Consultant
I03	SV	Özgün Gül KOPARAN	Environmental executive	AYDEM Yenilenebilir Enerji A.Ş.
I04	SV	Bera Aydın	assistant environmental specialist	AYDEM Yenilenebilir Enerji A.Ş.
I05	SV	Eren ÖZKAYA	Operation Chief	AYDEM Yenilenebilir Enerji A.Ş.
I06	SV	Ali KARAHAN	Administrative Executive	AYDEM Yenilenebilir Enerji A.Ş.
I07	SV	Sabit TÖNGELKİ	Local people	Dereli village
I08	SV	Gökhan KUMRAK	Controller operator	AYDEM Yenilenebilir Enerji A.Ş.

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

2.4 Site Visits

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

Table 2-4: Site visit details

Date	15/08/2023	
Location	Giresun Province	
Participant	**Company Name**	**Role in the Organization / Role in the Site Visit**
Sultan TUNÇBİLEK	Aydem Yenilenebilir Enerji A.Ş.	Environmental Expertise
Deniz YURTOĞLU	GTE Consultant	Project Manager
Özgün Gül KOPARAN	AYDEM Yenilenebilir Enerji A.Ş.	Environmental executive
Bera Aydın	AYDEM Yenilenebilir Enerji A.Ş.	assistant environmental specialist
Eren ÖZKAYA	AYDEM Yenilenebilir Enerji A.Ş.	Operation Chief
Ali KARAHAN	AYDEM Yenilenebilir Enerji A.Ş.	Administrative Executive
Sabit TÖNGELKİ	Dereli village	Local people
Gökhan KUMRAK	AYDEM Yenilenebilir Enerji A.Ş.	Controller operator
Khalid MAHMOOD (remotely)	Re Carbon Ltd.	Team Leader
İrem Taşkıran	Re Carbon Ltd.	Verifier Trainee

Points Verified	**Source of Information**
Implementation and operation of the proposed VCS project activity as per the registered PD	• Operation and maintenance Procedures, Calibration, JMR. • Local employment, trainings, • Monitoring of SDG parameters • Data archiving, breakdown details • O&M of the plant site and personnel responsible for the monitoring of required
Review of information flows for generating, aggregating, and reporting the monitoring parameters	
Interviews with relevant personnel to confirm that the operational and data collection procedures are implemented in accordance with the monitoring plan in the PD	

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	monitored parameters and implementation of QA/QC Procedure. • Stakeholder meeting Employment opportunities, Standard of Livings, etc. • The ongoing communication procedure and the address of their grievance mechanism followed by the project proponent. Scope and generation of employment in the locality due to the implementation of said project activity in the area.
Check the monitoring equipment including calibration performance and observations of monitoring practices against the requirements of the PD and the selected methodology	
Review of calculations and assumptions made in determining the GHG data and emission reductions	
Identification of quality control and quality assurance procedures in place to prevent or identify and correct any errors or omissions in the reported monitoring parameters	

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 11/09/2015, version 2.01.
- A physical site visit was executed on 15/08/2023 in order to assess whether all physical features of the project activity proposed in the registered PD are in place and that the Project proponent(s) operated the project activity in line with the registered PD.
- Assessment of the compliance of the monitoring plan with the monitoring methodology ""ACM0002 "Consolidated baseline methodology for grid-connected electricity generation from renewable sources", Version 16.0.0.
- Assessment of the compliance of monitoring with the monitoring plan
- Assessment of data and calculation of greenhouse gas emission reductions
- Issuance of the verification report
- Independent technical review
- Approval of the verification report and request of issuance

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

The Verification Protocol consists of a table:

- Table 1 (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

Draft Report Clarifications, Forward Action and Corrective Action Requests by Verification Team	Ref. to Questions in The MR	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 specific sections of the MR.	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 4.7, the team reports the non-conformities in the forms of Corrective Action Requests (CARs), Clarification Requests (CLs), and Forward Action Requests (FARs). When and for which type of non-conformities CARs, CLs, and FARs are issued 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 the 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 25 CARs, 00 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 18/05/2023 (with a team change on 09/01/2024), 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 2-6 below:

Table 2-6: Verification team and ITR details

Name	Role	Host Country Experience	Scope Coverage	Technical Expertise (TA 1.2)	Involve.
Öykü YAKUPOĞLU	Team Leader (Previous)	☒	☒	☒	DR
Khalid MAHMOOD	Team Leader	☒	☒	☒	A, DR, RA, R
İrem TAŞKIRAN	Verifier	☒	☒	☒	A, DR, R, SV
Kader ALKAÇ	Verifier Trainee	☒	☒	☒	A, DR, R,
Rohit BADAYA	ITR	☒	☒	☒	ITR

The previous Team Leader was Ms. Öykü YAKUPOĞLU and the current Team Leader is Mr. Khalid MAHMOOD. Ms. Öykü YAKUPOĞLU is no longer an employee of Re-carbon Ltd. Therefore, a team change has occurred. The team change process was done on 09/01/2024.

* 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 internal quality control by Re Carbon Ltd. This quality control is also referred to as the “Independent Technical Review” process.

The Independent Technical Review is performed by another Team Leader of RE-Carbon Ltd. who was not involved in the verification activities of this specific project activity. When the appointed Team Leader finalizes the Validation Report, the report is sent to the (for this project specifically appointed) Independent Technical Reviewer who reviews not only the verification report itself but also all supporting documents like emission factor calculations, additionality justifications, relevant Excel sheets, etc.

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

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

2.5.1 Forward Action Requests

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

According to these principles, no FARs have been issued during the current verification process. Furthermore, no FAR had been raised on the previous process of the project (2nd verification of the first crediting period) according to the 2nd verification report version 4 dated 02/11/2022.

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 Methodology Deviations

N/A (There have not been any methodology deviations applied.)

3.2 Project Description Deviations

In the registered VCS PD, the PP is “Bereket Enerji Üretim Anonim Şirketi”. Then, title of the company changed from Bereket Enerji Üretim San. ve Tic. A. Ş. to Aydem Yenilenebilir Enerji A.Ş. The project proponent is “Karhes Hidroelektrik Enerjiden Elektrik Üretim Santrali Ltd” and it is 74% owned by “Aydem Yenilenebilir Enerji A.Ş.” The project activity is in compliance with the scenario described in the Project Design Document and validated by the validation report dated 08/12/2014.

"The project activity aligns with the scenario outlined in the Project Design Document. Following EPİAŞ's receipt of the Market Operating License on 01/09/2015, market operations were transferred from PMUM to EPİAŞ.

Moreover, according to the revised agreement between TEIAS and PP, specifically Annex-3, Article 3.3 of the Transmission System Usage Agreement dated 25/01/2019, energy meter testing is conducted every two years.

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

3.3 New Project Activity Instances in Grouped Projects

The project is not a grouped project.

3.4 Baseline Reassessment

Did the project undergo baseline reassessment during the monitoring period?

☐ Yes ☒ No

4 VERIFICATION FINDINGS

4.1 Project Details

According to the registered PD, the estimated annual emission reduction is 83,983.73 tCO_2e and the corresponding total estimated amount for the monitoring period is 142,043.71 tCO_2e. The actual values achieved for the current monitoring period is 132,934 tCO_2e. The actual amount of emission reduction for the current monitoring period is about 6.4% less than the estimated emission reduction amount. The reason of the difference is that the electricity generation is dependent on water flow estimation, which is a natural phenomenon and cannot be estimated with 100% accuracy. Besides that, the difference in the values does not lead to a substantial decrease 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 249,321.49 MWh net electricity generation), SDG 8 (Decent Work and Economic Growth with 19 employed staff during the recent year of operation period and all are permanent staff), SDG-13 (Climate Action with achieved emission reduction of 132,934 tCO_2e), during the monitoring period.

The project was commissioned on 10/01/2014 which was verified by the provisional acceptance protocol. The project activity consists of 2 units.

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 credit, as there are no such crediting schemes in the host country as declared by the PP.

Double counting issue has been assessed and the validation team has checked the ICR project database (Carbon Projects (carbonregistry.com)), GS project database (https://www.goldstandard.org/resources/impact-registry), GCC project database (https://projects.globalcarboncouncil.com/pages/submitted_projects), BCR project database (Global CarbonTrace) and CerCarbono database (EcoRegistry) were checked and this project is not available within ICR, GS, GCC, BCR and CERCARBONO projects' databases, either. The project does not appear on VCS, GS, GCC, BCR, and CERCARBONO registries, it could be confirmed that no other VER carbon credits are being issued for the project, 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 no FAR from the second verification process (according to the verification report version 4 dated 02/11/2022).

Compliance of the Monitoring Plan with the Monitoring Methodology

The monitoring plan is in accordance with the approved methodology, ACM0002, Version 16.0.0, applied by the project activity.

In line with the methodology and the registered PD, the monitored parameter is the quantity of gross electricity generation supplied by the project plant to the grid and the quantity of self-electricity consumption supplied from the grid to the project as in below:

- EG_y: The quantity of net electricity delivered to the grid has been calculated with the EPIAS (the financial settlement center 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 backup 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 backup meter. All readings and billings are done via the 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 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.
- There are always internal reviews of the metered data which are checked by different parties. SCADA system is available from which daily reports are taken. The data collected daily is saved in the plant manager's computer and backed up. Sample logbooks were checked and there were no differences in data.
- Cap_{PJ} : The installed capacity of the hydropower plants after the implementation of the Project Activity has been monitored via the SCADA system of the project activity once for each monitoring period.
- A_{PJ}: The area of the reservoir measured on the surface of the water, after the implementation of the Project Activity, when the reservoir is at its maximum fullness has been determined via the topographic satellite images showing the lake area which is represented in the Appendix-2 of the MR.

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.

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 backup 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 differences between main and cross-check spare meters, the TEIAS (grid company) responsible unit is informed of 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 regulations.

The technical details of the old and current electricity meters are as follows:

	Main Meter	Spare Meter
Brand-Model	EMH- LZQJ-XC	EMH-LZQJ-XC
Serial Number	9798713	9798713
Previous Calibration Date	19/11/2020	19/11/2020
Calibration Frequency	10 years	10 years
Class	0.5 S	0.5 S
Test Date	22/06/2020	22/06/2020

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 evidence including EPIAS records, TEIAS meter reading protocols, electricity meter test protocols and photos of electricity meters.

The verification team re-produced the calculations and confirmed that all the calculations had been correctly applied.

Re-carbon Ltd. confirms that monitoring activity is in line with the registered monitoring plan.

Item	Evidence-gathering activities, evidence checked, and assessment conclusion:
Audit history	*This is the third verification of the first crediting period.*

Double counting and participation under other GHG programs	*Double counting issue has been assessed and the validation team has checked the ICR project database (Carbon Projects (carbonregistry.com)), GS project database (https://www.goldstandard.org/resources/impact-registry), GCC project database (https://projects.globalcarboncouncil.com/pages/submitted_projects), BCR project database (Global CarbonTrace) and CerCarbono database (EcoRegistry) were checked and this project is not available within ICR, GS, GCC, BCR and CERCARBONO projects' databases, either. The project does not appear on VCS, GS, GCC, BCR and CERCARBONO registries, it could be confirmed that no other VER carbon credits are being issued for the project.*
No double claiming with emissions trading programs or binding emission limits	*N/A*
No double claiming with other forms of environmental credit	*N/A*
Supply chain (scope 3) emissions double claiming	*N/A*
Sustainable development contributions	*Project activity contributes to the diversification of energy mix of Turkey from fossil fuel to renewables; and avoids GHG emissions from Turkey grid system. The project activity contributes to SDG 7, SDG 8, SDG 13 as follows:* • *SDG 7: 249,321.49 MWh/year* • *SDG 8: 19 employees* • *SDG 13: 132,934 tCO2e/year* *In summary, Re Carbon Ltd. confirms that the other benefits of the project activity have been stated correctly and supported by the relevant evidence documents.*
Additional information relevant to the project	*N/A*

4.2 Safeguards and Stakeholder Engagement

4.2.1 Stakeholder Identification

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Stakeholder identification	*Current stakeholders are in line with the project activity therefore no change is required. Re-carbon confirmed the appropriateness of stakeholders on site-visit inspections.*
Legal or customary tenure/access rights	*No expropriation activity occurs as confirmed on site-visit inspection.*
Stakeholder diversity and changes over time	*The situation about the stakeholders did not change during the project activity as confirmed through on-site visit interviews by Re-carbon.*
Expected changes in well-being	*Re-carbon confirms that the project does not affect the well-being of the stakeholders negatively.*
Location of stakeholders	*Dereli Village represents the local stakeholders of the project.*
Location of resources	*Re-carbon confirms that the use of resources in the project activity does not affect the local stakeholders negatively.*

4.2.2 Stakeholder Consultation and Ongoing Communication

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Ongoing consultation	*The local stakeholders as stated in the Table 2-2 above were interviewed about the following issues and there had not been any complaint by the interviewed local stakeholders during the physical site visit:* • *Noise due to the project activity* • *Impact on the aquatic life where the project had been constructed* • *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 on-site visit. *Therefore, it could also be concluded that there has not been any complaint during the monitoring period in line with the provided records, information by PP and interviews with some local stakeholders.*
Date(s) of stakeholder consultation	*An EIA certificate was given to the project activity by the Ministry of Environment and Urbanism, therefore there was no need to local stakeholder consultation, but on-site visit the local stakeholders were interviewed about the following issues and there had not been any complaint by the interviewed local stakeholders during the physical site visit. Furthermore, local stakeholders interviewed on site-visit stated that the project owner comes to the village and asks about their feedback regularly.*
Communication of monitored results	*N/A (No negative feedback was received from the local stakeholders.)*
Consultation records	*The photographic evidence of the grievance book has been examined by the VVB, there was no grievance from the local stakeholders.*
Stakeholder input	*N/A (No negative feedback was received from the local stakeholders.)*

4.2.3 Free, Prior, and Informed Consent

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Consent	*The project land does not belong the Ips or LCs, the project site is not a private land as confirmed through on-site visit by the verification team therefore no consent is required.*

Outcome of FPIC discussion	*N/A (The project land does not belong the Ips or LCs, the project site is not a private land as confirmed through on-site visit by the verification team therefore no consent is required.)*

4.2.4 Grievance Redress Procedure

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Grievance received and steps taken to resolve the grievance including the outcomes of the resolution	*N/A (Re-carbon confirmed that no grievance has been received from the local stakeholders through on-site visit interviews, photographic evidences of the logbook.)*
Grievance redress procedure	*N/A (Re-carbon confirmed that no grievance has been received from the local stakeholders through on-site visit interviews, photographic evidences of the logbook.)*

4.2.5 Public Comments

Comments received	Actions taken by the project proponent	Evidence gathering activities, evidence checked, and assessment conclusion
N/A (Re-carbon confirmed that no grievance has been received from the local stakeholders through on-site visit interviews, photographic evidences of the logbook.)	*N/A*	*N/A*

4.2.6 Risks to Local Stakeholders and the Environment

There had not 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 27/04/2006 by Giresun Provincial Directorate of Environment and Forestry was also provided by the PP.

Hazardous wastes are collected by a contracted company and records dated 31/12/2022, 05/08/2022, 10/01/2022, 14/02/2023, and 23/02/2023, 10/08/2023 were provided by PP.

Water for domestic use is supplied by tankers to the site and wastewater is collected in septic tanks which is emptied regularly. The wastewater is discharged in accordance with Water Pollution Control regulations of the host country. Collection records are provided dated 22/11/2022.

Solid- wastes are collected by a contracted company and records dated 29/12/2022, 1212/2023, 18/12/2023, 05/01/2024, 08/01/2024, 09/01/2024 are provided.

Necessary precautions are taken for the species under conservation by international conventions, the field is regularly observed in terms of any change and irregularity of the biodiversity. A regular ecosystem reporting mechanism is applied for the field. A fish passage is constructed to ease up and downstream movements of the fish living in the Aksu River.

Also, VVB checked the fish passage and waste collection centre on-site and it has been find suitable.

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Risks to stakeholder participation	*No risk has been identified through on-site visit interviews.*
Working conditions	*No risk has been identified through on-site visit interviews. Re-carbon confirms that employees are content with the working conditions.*
Safety of women and girls	*No risk has been identified through on-site visit interviews. Women employees from Aydem Yenilenebilir Enerji A.Ş. have been interviewed and they stated that they are content with the project owner.*
Safety of minority and marginalized groups, including children	*No risk has been identified through on-site visit interviews.*
Pollutants (air, noise, discharges to water, generation of waste, release of hazardous materials)	*No risk has been identified through on-site visit interviews. Pollutants are collected in line with the regulations; therefore, no action is needed.*

4.2.7 Respect for Human Rights and Equity

4.2.7.1 Labor and Work

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Discrimination and sexual harassment	*No risk has been identified through on-site visit interviews. Re-carbon confirms that employees did not experience any discrimination or sexual harassment.*
Management experience	*No risk has been identified through on-site visit interviews.*
Gender equity in labor and work	*ILO Conventions 29 and 105 on Forced and Compulsory Labor have been ratified by Turkey. No risk has been identified through on-site visit interviews. Women and men employees from Aydem Yenilenebilir Enerji A.Ş. have been interviewed and they stated that they have no complaint or problem.*
Human trafficking, forced labor, and child labor	*ILO Conventions 100, 111, 122, and 142 have all been ratified by Turkey. No risk has been identified through on-site visit interviews. No forced labor, human trafficking, or child labor has been observed at the project site.*

4.2.7.2 Human Rights

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Human rights	*ILO Conventions 29 and 105 on Forced and Compulsory Labor, 100, 111, 122, 142, also 169 on Indigenous and Tribal People have been ratified by Turkey. No risk has been identified through on-site visit interviews. Re-carbon confirms that project activity has no negative impact on human rights.*

4.2.7.3 Indigenous Peoples and Cultural Heritage

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Preservation and protection of cultural heritage	*N/A (The project land does not belong the Ips or LCs, the project site is not a private land as confirmed through on-site visit by the verification team therefore no consent is required.)*

4.2.7.4 Property Rights

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Disputes over rights to territories and resources	*N/A (The project has no expropriation activity in process. The land is not a private land.)*
Respect for property rights	*N/A (The project has no expropriation activity in process. The land is not private land.)*

4.2.7.5 Benefit Sharing

Item	Evidence-gathering activities, evidence checked, and assessment conclusion
Summary of the benefit sharing plan	*N/A (The project has no expropriation activity in process. The land is not a private land Therefore, Re-carbon confirmed that no benefit sharing plan is necessary.)*
Benefit sharing during the monitoring period	*N/A (The project has no expropriation activity in process. The land is not a private land Therefore, Re-carbon confirmed that no benefit sharing plan is necessary.)*

4.2.8 Ecosystem Health

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Impacts on biodiversity and ecosystems	*No risk identified*

Soil degradation and soil erosion	*No risk identified*
Water consumption and stress	*No risk identified*
Usage of fertilizers	*No risk identified*

4.2.8.1 Rare, Threatened, and Endangered species

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Species or habitat	*The project activity has fish passage in line with the local regulations. In Turkey, fish passages are checked by DSİ (Water State Works). Through on-site visit inspection and document review, Re-carbon Ltd. confirmed that project poses no danger to the rare, threatened, and endangered species.*

4.2.8.2 Introduction of Species

Species introduced	Evidence gathering activities, evidence checked, and assessment conclusion
N/A	N/A (No species were introduced by the project activity as confirmed through on-site visit inspection and interviews.)

Existing invasive species	Evidence gathering activities, evidence checked, and assessment conclusion
N/A	N/A (There is no invasive species in the project activity as confirmed through on-site visit inspection and interviews.)

4.2.8.3 Ecosystem conversion

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

4.3 Accuracy of Reduction and Removal Calculations

EPIAS records are presented for all months of the monitoring period. All data in emission reductions table are checked with EPIAS records as the main source and crosschecked with 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
01/01/2022 – 31/12/2022	Export to Grid: 111,503 MWh Import from Grid: 205.380 MWh Net electricity supplied to the grid: 111,297.62 MWh	EPIAS Records
01/01/2023– 31/12/2023	Export to Grid: 137,793.375 MWh Import from Grid: 229.323 MWh Net electricity supplied to the grid: 137,564.05 MWh	EPIAS Records
01/01/2024 – 09/01/2024	Export to Grid: 469.958 MWh Import from Grid: 10.137 MWh Net electricity supplied to the grid: 459.820 MWh	EPIAS Records
Total (01/01/2022 - 09/01/2024)	Export to Grid: 249,766.33 MWh Import from Grid: 444.84 MWh Net electricity supplied to the grid: 249,321.49 MWh	EPIAS Records

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

According to the applied methodology ACM0002 Version 16.0 and the registered PD, the GHG emission reductions are calculated as follows:

$ER_y = BE_y - PE_y$

Where:

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

BE_y = Baseline emissions in year *y* (Tco2e/yr)

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

Since the project is a new run-of-river project which does not involve any reservoir, $PE_y=0$.

Moreover, to show that the $PE_y=0$, power density has also been calculated with the following formula:

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

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 reservoir 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 reservoir 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.

For the proposed project, following values have been confirmed:

Cap_{PJ} = 49,200,000 We

Cap_{BL} = 0.0 W

A_{PJ} = 3865 (m^2)

A_{BL} = 0.0 (m^2)

Hence;

$$PD = \frac{49{,}200{,}000 - 0}{3865 - 0}$$

$$PD = 12729.62\ W/m^2 > 10\ W/m^2$$

According to CDM EB 23 (Executive Board) Report, Annex 5, Hydroelectric power plants with power densities greater than 10 W/m^2 can use current approved methodologies and the project emissions from the reservoir may be neglected.

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 0.53323 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 142,043.71 tCO_2e corresponding to the monitoring period. However, the project in operation totally reached 132,934 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)
01/01/2022 – 31/12/2022	59,342
01/01/2023 – 31/12/2023	73,347
01/10/2024 – 09/01/2024	245.00
Total	132,934

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 ACM0002 Version 16.0 and the monitoring plan given in the registered PD.

4.4 Quality of Evidence to Determine Reductions and Removals

The GHG emission reductions are a function of the net electricity generated and fed into the grid by the project activity and the combined margin emission factor which is determined during validation for the whole crediting period. According to the PD version 2.01 dated 11/09/2015, the combined margin emission factor has been validated and will remain the same for the first crediting period of 10 years as 0.53323 tCO_2/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.

The electricity meter calibration and test details have been verified and the same is available in the Section 4.2 of the report.

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

4.5 Non-Permanence Risk Analysis

N/A (The project is not an AFOLU project).

5 VERIFICATION OPINION

5.1 Verification Summary

Re Carbon Ltd. performed the 3rd verification of VCS "Dereli Hydroelectric Power Plant", a project with the registry reference number "VCS 1758" for the monitoring period in between 01/01/2022 and 09/01/2024. The scope of the activities covers the verification and certification of GHG emissions reductions, reported in the Monitoring Report Version 07, dated 03/09/2024 of "Dereli Hydroelectric Power Plant".

GTE Karbon Sürdürülebilir Enerji Eğitim Danışmanlık ve Ticaret A.Ş. 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 05.

The verification was performed by a verification team consisting of "Öykü Yakupoğlu as the old Team Leader, Khalid MAHMOOD as the new Team Leader, İrem TAŞKIRAN as Validator/Verifier, Kader ALKAÇ as the Validator/Verifier Trainee, and Rohit BADAYA as the ITR" and the project

activity was checked against the Verification criteria for projects and their GHG emission reductions set out in VCS Version 4.7, 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. Team leader of the team has been changed on 09/01/2024 because Ms. Öykü YAKUPOĞLU was no longer an employee of Re-carbon Ltd. New members of the team are Mr. Khalid MAHMOOD as the Team Leader, İrem TAŞKIRAN as Validator/Verifier Trainee, and Kader ALKAÇ as the Validator/Verifier Trainee. Ms. İrem TAŞKIRAN (physical) and Mr. Khalid MAHMOOD(remotely) have been conducted the site visit.

Re Carbon Ltd. hereby confirms that the project activity "Dereli Hydroelectric Power Plant" in Turkey is implemented in accordance with the validated and registered PD version 2.01, dated 11/09/2015. Verification of the GHG statement was conducted in accordance the ISO 14064-3: 2019. The monitoring system is in place and the emission reductions were calculated without material misstatements as per the applied approved methodology "ACM0002 "Consolidated baseline methodology for grid-connected electricity generation from renewable sources", Version 16.0.

5.2 Verification Conclusion

Verification period: From *01-01-2022* to *09-01-2024*

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

Vintage period	Baseline emissions (tCO_2e)	Project emissions (tCO_2e)	Leakage emissions (tCO_2e)	Reduction VCUs (tCO_2e)	Removal VCUs (tCO_2e)	Total VCUs (tCO_2e)
01-Jan-2022 to 31-Dec-2022	59,342	0	0	59,342	0	59,342
01-Jan-2023 to 31-Dec-2023	73,347	0	0	73,347	0	73,347
01-Jan-2024 to 09-Jan-2024	245.00	0	0	245.00	0	245.00
Total	132,934	0	0	132,934	0	132,934

The non-permanence risk rating (%)	*N/A*

If applicable, the Long-term Average (LTA), whether it has been properly updated, and if it has been reached.	*N/A*
Whether a loss has been appropriately accounted for, in accordance with the VCS Program rules, if applicable.	*N/A*

5.3 Ex-ante vs Ex-post ERR Comparison

Vintage period	Ex-ante estimated reductions/ removals (tCO_2e)	Achieved reductions/ removals (tCO_2e)	Percent difference (tCO_2e)	Explanation for the difference
01-Jan-2022 to 31-Dec-2022	83,983.73	59,342	29.3%	The estimated electricity generation indicated in the generation license provides average values. Not minimum or maximum, moreover the fluctuations in hydro capacity of the reservoir and seasonal fluctuations can affect the actual electricity generations.
01-Jan-2023 to 31-Dec-2023	55,989.15	73,347	31%	The estimated electricity generation indicated in the generation license provides average values. Not minimum or maximum, moreover the fluctuations in hydro capacity of the reservoir and seasonal fluctuations can affect the actual electricity generations.
01-Jan-2024 to 09-Jan-2024	2,070.83	245.00	88.2%	The estimated electricity generation indicated in the generation license provides average values. Not minimum or maximum, moreover the fluctuations in hydro capacity of the reservoir and seasonal fluctuations can affect the actual electricity generations.
Total	**142,043.71**	**132,934.00**	6.4%	The estimated electricity generation indicated in the generation license provides average values. Not minimum

				or maximum, moreover the fluctuations in hydro capacity of the reservoir and seasonal fluctuations can affect the actual electricity generations.

		
Khalida MAHMOOD	Rohit BADAYA	Havva ÖZTÜRK
Prepared by: Team Leader	ITR and Decision Maker	Accepted by: Certification Management Department
16/09/2024		

APPENDIX 1: COMMERCIALLY SENSITIVE INFORMATION

Section	*Information*	*Justification*	*Assessment method and conclusion*
N/A	***N/A***	***N/A***	***N/A***

APPENDIX 2: VERIFICATION PROTOCOL >

Table 1 – Resolution of Corrective Action, Forward Action and Clarification Requests

Draft Report Clarifications, Forward Action and Corrective Action Requests By Verification Team	Ref. to Checklist Questions in Table-1	Summary of Project proponents' Response	Verification Team Conclusion
CAR-1 Please include all items in the box at the bottom of the cover page and all Sections text part using Arial or Century Gothic 10.5 pt, black, regular (non-italic) font.	1	Response-1: All items in the box at the cover page and in all sections are indicated as Arial 10.5 pt, black, regular font.	Review-1: OK, closed.
CAR-2 Please correct the report ID according to the monitoring period number.	2.3	Response-1: Report ID has been corrected according to the monitoring period number which is third. Response-2: The version of the MR has been corrected.	Review-1: OK, closed. (Report ID of the project has been corrected according to the monitoring period number) but please correct the version of the MR. Review-2: OK, closed. (Version of MR has been updated)
CAR-3 a) Please indicate the host country in paragraph one in section 1.1. b) Please indicate the date of the generation license of the project	1.1.1	Response-1: a) The host country has been indicated in section 1.1. b) The date of the generation license of the project activity has been indicated.	Review-1: a) Please revise all "Turkey" statements to "Türkiye" throughout the MR.

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
activity in the second paragraph of section 1.1. c) Please demonstrate baseline emission values, project emission values, leakage emission values, emission reduction values for the whole current monitoring period in a monthly basis in the ER Calculation Excel sheet and apply the round-down function and revise the emission reduction value throughout the MR according to these changes. d) Please include the audit history of the project in the Tabular Format provided in VCR MR version 4.2. (First monitoring period and current monitoring period) e) Please specify the project boundary and baseline scenario with the referring applied methodology. f) Please correct the dates in Table-1 (DD/MM/YYYY) and provide the "EIA not required/Positive Certificate) g) Please briefly describe how the project start date is chosen. h) Please correct the date of the amendment to the Water Usage Agreement Signed. i) Please correct the date of EIA according to the EIA is Not Required certificate.		c) The baseline emission values, project emission values, leakage emission values, emission reduction values for whole current monitoring period has been demonstrated in monthly basis in the ER Calculation Excel sheet and round down function has been applied and the emission reduction value has been revised throughout the MR. d) The audit history has been updated. e) The project boundary and baseline scenario has been specified. f) The dates have been corrected, and the EIA not required document has been provided. g) "How the project start date chosen" has been described. h) The date has been corrected. i) The date has been corrected. j) The electricity generation value evidence documents have been provided and the electricity generation and emission reduction values have been corrected throughout the MR. Response-2:	b) OK, closed. (Date of the generation license has been indicated) c) Please indicate emission reduction values for the whole current monitoring period in a monthly basis in the ER Calculation Excel sheet. d) Please indicate the first verification time line in audit history table. e) Please specify the project boundary and baseline scenario with the referring applied methodology. f) Please correct the date of "Water usage agreement signed with DSI1" according to registered PDD. g) Please indicate the start date of the project in section 1.1 as a paragraph and briefly describe how the project start date is chosen. h) OK, closed. (Date of the Amendment to the Water Usage Agreement Signed has been corrected) i) OK, closed. (Date of EIA has been corrected)

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
j) Please provide the July 2023 and August 2023 electricity generation value evidence documents. After that, please update the new electricity generation and emission reduction values throughout the MR.		a) All "Turkey" statements have been revised to "Türkiye" throughout the MR. c) Emission reduction values for the whole current monitoring period has been indicated monthly in the ER Calculation Excel Sheet. d) The first verification time line has been included to the audit history table. e) The baseline scenario and project boundary (Figure 1) have been indicated with referring to the applied methodology in Section 1.1. f) The date of "Water usage agreement signed with DSI1" has been corrected according to the registered PD. g) The project start date has been indicated and the reason for the selection of start date has been briefly described in Section 1.1. j) July and August 2023 EPIAS screenshots have been provided. The electricity generation and emission reduction values have been updated throughout the MR. Response-3: e) The project boundary and baseline scenario have been corrected.	j) July 2023 and august 2023 EPİA screenshot has not been provided. Please provide the July 2023 and August 2023 electricity generation value evidence documents. After that, please update the new electricity generation and emission reduction values throughout the MR. Review-2: a) OK, closed. (All Turkey statements has been corrected) c) OK, closed. (ER excel sheet has been corrected) d) OK, closed. (Audit history table has been corrected) e) Please correct the project boundary and baseline scenario according to applied methodology. f) OK, closed. (Date of Water usage agreement signed with DSI1 has been corrected) g) OK, closed. (Project start date has been indicated)

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
		j) The metering records have been provided. Response-4: e)Explanation has been included. j) The value for January 2024 has been provided. All values have been revised. Response-5: j)Consumption value of January 2024 has been corrected according to January 2024 EPİAŞ Screenshot. Response-6: j)As per the comment, apportioning has been made in ER and corrected values have been written in MR.	j) Please also indicate the metering records for July 2023 and August 2023 in ER Excel Sheet as well. Review-3: e) Explanation about project boundary is missing. The figure by itself is not enough. j) Electricity generation values of 2024 are missing. Review-4: e) OK, closed. (Explanation for project boundary has been indicated) j) Consumption value of January 2024 has been indicated wrong according to January 2024 EPİAŞ screenshot. Review-5: j)There are 31 days in January but only 9 of them are included in the monitoring period. Apportioning or daily generation values(if available) have not been taken into consideration.

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
			Review-6: j)OK, closed. (ER Excel Spreadsheet and MR has been revised.)
CAR-4 a) Please indicate the nearest village and the district of the project activity. b) Please indicate the screenshot of the KMZ document in section 1.7.	1.7.1	Response-1: a) The nearest village to the PA has been indicated. b) The screenshot of the KMZ document has been indicated in section 1.7.	Review-1: a) OK, closed. (Nearest village has been indicated) b) OK, closed. (Screenshot of the KMZ document has been indicated)
CAR-5 a) Please delete the unnecessary tools since this is the third verification process of the project activity. b) Please only indicate the tools that are applicable for this monitoring period according to the registered PD. c) Please indicate the reference links for applicable methodology and tools.	1.8.1	Response-1: a) The unnecessary tools have been deleted. b) The tools that are applicable for this monitoring period according to the registered PD has been indicated. c) The reference links for applicable methodology and tools have been indicated. Response-2: c)The reference link of the applied methodology has been indicated. Response-3: c)The versions of the applied methodology and the tools have been updated.	Review-1: a) OK, closed. (Tools have been corrected) b) OK, closed. (Tools have been corrected) c) Please indicate the reference link of the applied methodology. Review-2: c) Please correct the version of applied methodology and referred links throughout the MR. Review-3: c) In section 5.2, the version of applied methodology should have been corrected.

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
		Response-4: c)The version of the applied methodology is correct according to the registered PD. Response-5: c)In section 5.2, the version of applied methodology has been corrected.	Review-4: c)In section 5.2, the version of applied methodology should have been corrected. Old version still exists in section 5.2. Review-5: c)OK, closed. (Revised.)
CAR-6 Please provide a 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	Response-1: A declaration letter has been provided.	Review-1: OK, closed. (Declaration has been provided)
CAR-7 Please provide the signed and sealed letter on company letterhead that project hasn't been included in an emissions trading program; or any other mechanism that includes GHG allowance trading.	1.10.1	Response-1: A declaration letter has been provided.	Review-1: OK, closed. (Declaration has been provided)
CAR-8 a) Please indicate each SDG contribution in the ER Calculation Excel spreadsheet as well. b) Please provide the July 2023 and August 2023 electricity generation value evidence documents. After that, please update the new electricity generation and emission reduction values throughout the MR.	1.11.1	Response-1: a) Each SDG contribution has been indicated in the ER Calculation Excel spreadsheet as well. b) The electricity generation values have been provided, and the new EP and ER values have been updated. c) The Contributions Over Project Lifetime have been corrected.	Review-1: a) Please correct the values of SDG contribution in ER Excel Sheet. b) July 2023 and august 2023 EPİA screenshot has not been provided. Please provide the July 2023 and August 2023 electricity generation value evidence

Draft Report Clarifications, Forward Action and Corrective Action Requests By Verification Team	Ref. to Checklist Questions in Table-1	Summary of Project proponents' Response	Verification Team Conclusion
c) Please correct the Contributions Over Project Lifetime for indicated SDGs.		Response-2: a) The values of SDG contribution have been corrected in the ER Excel Sheet. b) July and August 2023 EPIAS screenshots have been provided. The electricity generation and emission reduction values have been updated throughout the MR. Response-3: a) The cell C3 is correct in SDG Contribution page. The values are consistent. Can you please specify? b) Metering records are provided. Rounddown function has been indicated in K24, and the value in B29 has been taken from there. The values are consistent. Response-4: a) Can you specify what is wrong? Cell C32 and C34 are the same. b) The value for January 2024 has been provided. All values have been revised. Response-5: c) Consumption value of January 2024 has been corrected	documents. After that, please update the new electricity generation and emission reduction values throughout the MR. c) OK, closed. (Contributions Over Project Lifetime has been corrected) Review-2: a) Cell C3 is incorrect in SDG Contribution page in ER Excel Sheet. Net electricity generation values in ER Excel sheet are incontinent. b) Please indicate the metering records for July 2023 and August 2023 in ER Excel Sheet as well. Also, rundown function should have been indicated in cell B29 in ER Excel Sheet, emission reduction values are not consistent in ER Excel Sheet. Review-3: a) Calculation in cell F51 should have been corrected.

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
		according to January 2024 EPİAŞ Screenshot. Response-6: b)As per the comment, apportioning has been made in ER and corrected values have been written in MR.	b) Electricity generation values of 2024 are missing. Review-4: a) OK, closed. (Calculation in cell F51 has been corrected) b) Consumption value of January 2024 has been indicated wrong according to January 2024 EPİAŞ screenshot. Review-5: b)There are 31 days in January but only 9 of them are included in the monitoring period. Apportioning or daily generation values(if available) have not been taken into consideration. Review-6: b)OK, closed. (ER Excel Spreadsheet and MR has been revised.)
CAR-9 a) Please provide the evidence document for Biodiversity and indicate the date of the document in section 2.1.	2.1.1	Response-1: a) There is no evidence document for Biodiversity from the project owner. b) The precautions taken for the possible negative environmental	Review-1: a) OK, closed. b) Please include the precautions taken for the possible negative environmental and socio-

Draft Report Clarifications, Forward Action and Corrective Action Requests By Verification Team	Ref. to Checklist Questions in Table-1	Summary of Project proponents' Response	Verification Team Conclusion
b) Please include the precautions taken for the possible negative environmental and socio-economic impacts of the project activity.		and socio-economic impacts of the project activity have been included. Response-2: b) The precautions taken for the possible negative environmental and socio-economic impacts of the project activity have been included in section 2.1 according to the registered PD.	economic impacts of the project activity. Review-2: b) OK, closed.
CAR-10 a) Please indicate the date of the Local Stakeholder Consultation in Section 2.2 and provide the relevant evidence document. b) Please provide the procedures or methods used for documenting the outcomes of the local stakeholder communication in the Section 2.2. c) Please briefly describe the mechanism for on-going communication with local stakeholders. d) Please provide a signed and sealed letter from mukhtar that there are no complaints about the project activity. e) Please indicate if there are any negative comments.	2.2.1	Response-1: a) The date of the Local Stakeholder Consultation has been indicated in section 2.2. and the relevant evidence document has been provided. b) The procedures used for documenting the outcomes of the LSC in section 2.2. c) The mechanism for on-going communication with local stakeholders has been described, and a photographic evidence document has been provided. d) A signed and sealed letter from mukhtar has been provided. e) There are no negative comments, and it is indicated in the MR.	Review-1: a) OK, closed. (Date of the local stakeholder consultation has been indicated) b) OK, closed. c) OK, closed. (Mechanism for on-going communication has been indicated) d) OK, closed. (Declaration has been provided) e) OK, closed.
CAR-11	3.1.1	Response-1: a) Meter details have been indicated.	Review-1:

Draft Report Clarifications, Forward Action and Corrective Action Requests By Verification Team	Ref. to Checklist Questions in Table-1	Summary of Project proponents' Response	Verification Team Conclusion
a) Please indicate meter details in tabular format in section 3.1. (brand, serial no, calibration date, meter change date, first index date) b) Please briefly describe turbine and generator technology. c) Please indicate the regulator, transmission tunnel and reservoir details as well.		b) The turbine and generator technology have been briefly described. c) The regulator, transmission tunnel, and reservoir details have been indicated. Response-2: a) The serial numbers of the old meters have been corrected. b) The turbine and generator technology have been indicated in tabular format. c) The regulator, transmission tunnel and reservoir details have been indicated in tabular format as well. Response-3: c) Generator details have been indicated. Response-4: b)Serial numbers of the two generators have been indicated.	a) Please correct the serial numbers of old meters. b) Please briefly describe turbine and generator technology in tabular format. c) Please indicate the regulator, transmission tunnel and reservoir details in tabular format as well. Review-2: a) OK, closed. (Serial numbers of old meters have been corrected) b) Please indicate the generator details as well. c) OK, closed. (Technical specifications of used technology have been indicated) Review-3: b) Serial numbers of generator is missing according to provisional acceptance protocol. Review-4: b) OK, closed. (Serial numbers of generators have been indicated)

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-12 Please indicate the reference link of the "official gazette with registration number of 13798".	3.2.2.1	Response-1: The reference document has been provided, and the information has been re-written.	Review-1: OK, closed. (Evidence document has been provided)
CAR-13 a) Please correct the unit of FCi,y parameter according to the registered PD. b) Please indicate the values in "Value applied" row for all parameters. c) Please use the data of 2022 and 2023 years for all parameters since this monitoring period is between the years 2022 and 2023. d) Please correct the unit of $EFCO_2$,i,y parameter according to the registered PD. e) Please use the latest published version of Tool 7 for $EFCO_2$, i,y parameter.	4.1.1	Response-1: a) The unit of FCi,y parameter has been corrected according to the registered PD. b) The "Value applied" values of all parameters have been updated according to the registered PDD. c) The data for all parameters are used according to the registered PDD. d) The unit of $EFCO_2$,i,y parameter has been corrected according to the registered PDD. e) The latest published version of Tool 7 has been used. Response-2: e)The latest published version of Tool 7 has been used. Response-3: e)The version of the tool has been corrected.	Review-1: a) OK, closed. (Unit has been corrected) b) OK, closed. (Values have been indicated) c) OK, closed. d) OK, closed. (Unit has been corrected) e) Please use the latest published version of Tool 7 for all parameters. Review-2: e) In $EG_{m,y}$ parameter, old version of Tool 07 is still exist. Review-3: e) OK, closed. (version of tool has been corrected)
CAR-14	4.2.1	Response-1:	Review-1:

Draft Report Clarifications, Forward Action and Corrective Action Requests By Verification Team	Ref. to Checklist Questions in Table-1	Summary of Project proponents' Response	Verification Team Conclusion
a) Please specify the main and backup source for electricity generation in the description row for EGy parameter. b) Please provide the July 2023 and August 2023 electricity generation value evidence documents. After that, please update the new electricity generation and emission reduction values throughout the MR. c) Please indicate the calibration details for old meters in the table for EGy parameter. d) Please indicate the meter test dates for old meters and correct the meter test date for new meters in the table for EGy parameter.		a) The main and backup source for electricity generation has been specified in the description row for EGy parameter. b) The data has been provided and the new EG and ER values have been updated throughout the MR. c) The calibration details for old meters have been indicated in the table for EGy parameter. d) The meter test dates for old meters have been indicated and the meter test date for new meters have been corrected in the table for EGy parameter. Response-2: a) The main and back-up source have been specified. b) July and August 2023 EPIAS screenshots have been provided. The electricity generation and emission reduction values have been updated throughout the MR. Response-3: b)The net emission reduction and net electricity generation value is consistent in the ER excel sheet. Metering records are provided. Rounddown function has been indicated in K24, and the value in B29 has been taken from there.	a) Main and back-up source is not specified. Please specify the main and backup source for electricity generation for EGy parameter. b) July 2023 and august 2023 EPİA screenshot has not been provided. Please provide the July 2023 and August 2023 electricity generation value evidence documents. After that, please update the new electricity generation and emission reduction values throughout the MR. c) OK, closed. (Calibration details have been indicated) d) OK, closed. (Meter tests have been corrected) Review-2: a) OK, closed. (Main and cross-check source has been indicated) b) Net emission reduction value and net electricity generation value is inconsistent in ER Excel Sheet. Please indicate the

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
		Response-4: b)The value for January 2024 has been provided. All values have been revised. Response-5: c) Consumption value of January 2024 has been corrected according to January 2024 EPİAŞ Screenshot. Response-6: b)As per the comment, apportioning has been made in ER and corrected values have been written in MR.	metering records for July 2023 and August 2023 in ER Excel Sheet as well. Also, rundown function should have been indicated in cell B29 in ER Excel Sheet, cell C3 is incorrect in SDG Contribution page in ER Excel Sheet. Review-3: b) Electricity generation values of 2024 are missing. Review-4: b)Consumption value of January 2024 has been indicated wrong according to January 2024 EPİAŞ screenshot. Review-5: b)There are 31 days in January but only 9 of them are included in the monitoring period. Apportioning or daily generation values(if available) have not been taken into consideration. Review-6:

Draft Report Clarifications, Forward Action and Corrective Action Requests By Verification Team	Ref. to Checklist Questions in Table-1	Summary of Project proponents' Response	Verification Team Conclusion
			b)OK, closed. (ER Excel Spreadsheet and MR has been revised.)
CAR-15 a) Please indicate the reference links for used regulations in section 4.3. b) Please indicate the single line diagram of the project activity.	4.3.1	Response-1: a) The reference links has been indicated. b) The single line diagram of the project activity has been indicated.	Review-1: a) OK, closed. (Reference links have been indicated) b) OK, closed. (Single line has been indicated)
CAR-16 a) Please indicate the value of the project emission in Section 5.2. b) Please indicate the equation 3 in applied methodology.	5.2.1	Response-1: a) The value of the project emission has been indicated in Section 5.2. b) The equation 3 in applied methodology has been indicated. Response-2: a) The value of the project emission has been indicated. The project emission for this project has been indicated. Response-3: a)The section has been updated according to the applied methodology. Response-4: a)PEy have been showed clearly.	Review-1: a) Please indicate the value of the project emission. Statement from applied methodology "For most renewable energy project activities, PEy = 0" is not describe the project emission factor value for this project activity. b) OK, closed. (Equation has been indicated) Review-2: a) "...in the most recent version of ACM0002" should have been corrected since applied methodology version is not the latest one and the whole referred statement is not in line with

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
			ACM0002 version 16. Project emission value should have been shown clearly. Review-3: a) PE_y value should have been shown clearly. Review-4: a) OK, closed. (Value of Pey has been indicated correctly.)
CAR-17 Version of the MR has not been updated.	MR	Response-1: Version of the MR has been updated. Response-2: a) There is an explanation in section 1.13 in MR as "There is no commercially sensitive information about the project.". b) The tables in the sections mentioned have been filled out based on the VCS MR template 4.3. c) Required justifications have been provided for the columns where "no risk identified" is written. d) Section 5.4 has been checked properly and updated if necessary. e) Rows mentions have been filled out appropriately.	Review-1: a) There is no explanation in section 1.13. b) The tables in section 2.1.3, 2.1.4, 2.1.5., and so on, are empty. VCS MR template 4.3 indicates explanations to fill out the tables. They should be taken into consideration when filling out the MR. Tables should not be left empty. They need to be filled out briefly even if the procedure is not applicable. c) VCS MR template 4.3. states that "Where no risk

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		f) The last table in Section 5.4 has been checked the ER value has been corrected according to the ER Calculation sheet. g) Table in Section 5.4 has been checked and corrected based upon the comments. h) The decimal number of the emission factor in Table 7 has been corrected as in the registered PD.	was identified, write "No risk identified" in the first column, and provide justification in the second column". For section 2.2., 2.4 etc. d) Section 5.4. of the VCS MR template 4.3. provides two table "For projects required to assess permanence risk". If this is not applicable, second table is to be deleted for better visualization of the document and first table is to be filled out with brief justifications and statements. e) Overall, any row should not be left empty. They have to be filled out even the statement is not applicable. Rows need to be filled out with statements such as ""N/A", "0" or brief justifications or explanations. f) According to ER Excel spreadsheet, emission reduction estimation in 2024 is 2,070.83. But in

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
			the last table in section 5.4 it is 2,071.83. g) This project is an emission reduction project and not removal. Table in section 5.4. has to be checked. h) Emission factor in table 7 has been indicated as 0.5332, but in ER Excel spreadsheet, and registered PD it has been indicated as 0.53323. Please check decimals. Review-2: a) OK, closed. (Revised.) b) OK, closed. (Revised.) c) OK, closed. (Revised.) d) OK, closed. (Revised.) e) OK, closed. (Revised.) f) OK, closed. (Revised.) g) OK, closed. (Revised.) h) OK, closed. (Revised.)
CAR-18 a) MR (table of contents): Please check the "table of contents" in the MR, where the "Appendix 1" has been repeated two times. b) MR (Section 2.1.4): As per the heading of this section (grievance redress procedure): No details on the	ITR	Response-1: a) Corrected. b) Grievance redress procedure has been provided.	Review-1: a) OK, closed. (Repetition have been removed.) b) OK, closed. (Included.)

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grievance redress procedure is provided in this section of MR.			
CAR-19 a) MR (Section 1.1): Please check the statement "The estimated annual electricity production and the annual emission reduction values are 266,383.56 MWh and 142,045.71 tonnes CO2e, respectively", where the estimated values (266,383.56 MWh and 142,045.71 tonnes CO2e) does not match with the values as available in the registered VCS-PD. Check. b) MR (Section 1.1): Please check the statement "Net electricity production by the PA for this monitoring period (01/01/2022 – 09/01/2024) is calculated as 249,321.49 MWh. Therefore, the emission reduction of the Project Activity is calculated as 132,934 tonnes CO2e for this monitoring period", where the values (249,321.49 MWh and 132,934 tonnes CO2e) does not match with the details as per the current ERs Excelsheet. Check. c) MR (Section 1.12, Table 1): No discussions on the SDG12 is provided in Table 1, while the contribution of project to SDG12 has been considered as per the Section 1.12 of the MR. Check.	ITR	Response-1: a) Checked and revised. b) ER calculation sheet values match with the values in Section 1.1. c) Response-2: c)SDG12 has been removed. Over the project lifetime, employees have been checked and 19 people have been written. Revised.	Review-1: a) OK, closed. (Revised.) b) OK, closed. (Revised.) c) This finding has not been responded. No discussions on the SDG12 is provided in Table 1, while the contribution of project to SDG12 has been considered as per the Section 1.12 of the MR. Check. Moreover, SDG contributions over the project lifetime values are wrong and SDG 8 has been left empty. Also, in row "contributions over project lifetime", SDG 7.2 indicates that "The project expected to generate 1,299,375 MWh electricity from hydropower which is a renewable source over project lifetime". Row asks for the whole contribution over the project lifetime. "expected" statement needs to be checked.

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
			Review-2: c)OK, closed. (Corrected.)
CAR-20 MR (Section 5.4): Please check the column "Percent difference", where the unit (%) is missing for the values 31 (01-January-2023 to 31-December-2023) and 88.2 (01-January-2024 to 09-January-2024). Check.	ITR	Response-1: Checked and corrected.	Review-1: OK, closed. (Revised.)
CAR-21 MR (Section 4.2): The description for the parameter "EGy" is not completely provided in row "description" in Section 4.2 of MR. Check.	ITR	Response-1: Description has been detailed. Response-2: Description provided.	Review-1: MR (Section 4.2): The description for the parameter "EGy" is not completely provided in row "description" in Section 4.2 of MR. Check. Review-2: OK, closed. (Revised.)
CAR-22 MR (Section 2.3.1): As per the provided details, "The project proponent employed 35 workers during the construction phase and 10 workers during the operation phase prioritizing local employment for the works which do not require high skilled staff". However please refer to the Table 1, as per which "During the monitoring period 19	ITR	Response-1: According to the social security records, Tabl 1 has been corrected. Response-2: Updated. page 16.	Review-1: In Section 1.12 table 1, SDG 8.5 indicates that "During the monitoring period 45 employees were recruited", moreover section 2.3.1. indicates that "The project proponent employed 35 workers during the construction phase and 10 workers during the operation phase" According to the latest social security records, project proponent employed 19 people

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
employees were recruited". Check on the differences observed.			during this monitoring period. Check the differences observed. Review-2: OK, closed. (Revised.)
CAR-23 MR (Section 4.3): The calibration year for the meters is provided as "2010" for the meter number (53077779), however the calibration date is "12/07/2013" as per the Section 4.2 of the MR. Check for the differences observed at two places in the MR.	ITR	Response-1: Based on the meter documents, 12/07/2013 has been written for the calibration year of old meters. Response-2: Revised.	Review-1: Accepted, but check if the accuracy class of the current meters are correct. Review-2: OK, closed. (Accuracy class of the meters have been corrected.)
CAR-24 MR (Section 1.9): The version 07 of the Emission Factor Tool is referred in Section 1.9, while the version 04 is referred in the VCS-PD. Check.	ITR	Response-1: Revised. Response-2: Revised. Page 23.	Review-1: Other places of MR still indicates version 7. Review-2: OK, closed. (Revised.)
CAR-25 The SDG Contributions page in ER Excel sheet needs update.	ER Excel Spredsheet	Response-1: Updated. Response-2: SDG 8 has been revised.	Review-1: SDG contributions sheet of the ER Excel Spreadsheet indicates 45 workers for SDG 8. Revision is

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
			necessary based on the provided social security records. Review-2: OK, closed. (Revised.)

APPENDIX 3: VERIFICATION TEAM AND ITR COMPETENCE

Ms. Kader Alkaç holds a B.Sc. degree in "Environmental Engineering" from Hacettepe University / Ankara. With re-carbon, Kader is an internal Validator & Verifier and technical expert for "Project-Level Group 1 - GHG Project Type: Renewable Energy Production". Beyda is also a Regional Expert for Türkiye.

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 14 years of work experience in the area of Climate Change (CDM, GS, VCS, GCC) and has worked for various DOEs/VVBs in the capacity of Team Leader, Validator/Verifier, Technical Expert, ITR, Manager (Technical & Certification) and Quality Manager. Within the context of CDM/GS/VCS/GCC, 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/ GCC projects, located in countries in Asia, Africa, Middle East, Asia Pacific as well as in Türkiye. With re-carbon, Rohit is a free-lance Team Leader, ITR and an expert in "Project-Level Group 1 - GHG Project Types: Renewable Energy Production & Energy Efficiency Improvements" // "Project-Level Group 5 - GHG Project Types: Methane collection & destruction as well as Livestock and other anaerobic digester operations" // "Project-Level Group 6 - GHG Project Types: Capture & destruction of Landfill gas & Capture & use of Landfill gas & Avoidance of methane production in wastewater treatment". Rohit is also a Regional Expert for Bhutan, Brazil, Cambodia, Chile, Democratic Republic of Congo, Egypt, El Salvador, Ethiopia, The Gambia, India, Indonesia, Iran, Kenya, Madagascar, Malawi, Mauritius, Mexico, Morocco, Myanmar, Nepal, Nicaragua, Nigeria, Papua New Guinea (PNG), Republic of Madagascar, Senegal, South Africa, Sri Lanka, Thailand, Türkiye, Uganda, Vietnam and Zambia.

Mr. Khalid Mahmood holds a Bachelor degree in "Chemistry, Botany, Zoology" from the Islamia University of Bahawalpur, a Master's degree in "in Environmental Science" from the from the University of the Punjab and a second Master's degree in "Environmental Protection and Agricultural Food Production" from the University of Hohenheim. He has over 15 years of professional experience working for a variety of DOEs as a Team Leader. With re-carbon Khalid is a Team Leader and a "Project-Level Group 1 - GHG Project Type: Renewable Energy Production" // "Project-Level Group 6 - GHG Project Types: Capture & destruction of Landfill gas & Capture & use of Landfill gas & Avoidance of methane production in wastewater treatment" Expert. Khalid is also a Regional Expert for Tunisia, Türkiye, Brazil, China, Pakistan.

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 Gözetim Denetim ve Belgelendirme Ltd. Şti., Öykü was an

internal Team Leader (TA 1.2, 13.1 and 13.2), a Regional Expert for Türkiye (TA 1.2, 13.1 and 13.2) and a trainee validator/verifier for TA 1.1, 2.1, 3.1 and 15.1. Öykü YAKUPOĞLU is no longer an employee of Re Carbon Gözetim Denetim ve Belgelendirme Ltd. Şti.

Appendix 3-1: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 Certificate of Appointment is given to

Kader Alkaç

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

This Appointment Certificate is granted on the date of **03.05.2024** by

Christian Johannes
(General Manager)

Gold Standard
Climate Security & Sustainable Development

PROJECT LEVEL GROUP	GHG PROJECT TYPE EXPERTISE	EQUIVALENT CDM TECHNICAL AREA EXPERTISE (reference only)	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
1	Renewable Energy Production	1.2	03.05.2024	03.05.2024			26.02.2024
1	Energy Efficiency Improvements	3.1					
5	Methane Collection & destruction	13.2					
5	Livestock & other anaerobic digester operations	13.2					
5	Agricultural methane emission reduction	15.1					
5	Agricultural carbon emission reduction	15.1					
6	Capture & destruction of landfill gas	13.1					
6	Capture & use of landfill gas	13.1					
6	Avoidance of methane production in wastewater treatment	13.1					
		SDS Criteria:					26.02.2024

Verified Carbon Standard
A VERRA STANDARD

VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
03.05.2024	03.05.2024			26.02.2024
				26.02.2024

CERCARBONO
Certified Carbon Standard

VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT

ICR International Carbon Registry

PROJECT LEVEL GROUP	GHG PROJECT TYPE EXPERTISE	EQUIVALENT CDM TECHNICAL AREA EXPERTISE (reference only)	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
1	Renewable Energy Production	1.2	03.05.2024	03.05.2024			26.02.2024
1	Energy Efficiency Improvements	3.1					
5	Methane Collection & destruction	13.2					
5	Livestock & other anaerobic digester operations	13.2					
5	Agricultural methane emission reduction	15.1					
5	Agricultural carbon emission reduction	15.1					
6	Capture & destruction of landfill gas	13.1					
6	Capture & use of landfill gas	13.1					
6	Avoidance of methane production in wastewater treatment	13.1					
		SDS Criteria:					26.02.2024

BioCarbon Registry

VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
				26.02.2024
				26.02.2024

GCC

VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
03.05.2024	03.05.2024			26.02.2024
				25.02.2024

1*	15.03.2024	15.03.2024		15.03.2024
5*	15.03.2024	15.03.2024		15.03.2024
CORSIA	15.03.2024	15.03.2024		15.03.2024

COUNTRY EXPERTISE: Türkiye

F-C-044 / 27.03.2024 - 02

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 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:

This Appointment Certificate is granted on the date of **27.03.2024** by

Christian Johannes
(General Manager)

Gold Standard
Climate Security & Sustainable Development

Verified Carbon Standard
A VERRA STANDARD

CERCARBONO
Certified Carbon Standard

PROJECT LEVEL GROUP	GHG PROJECT TYPE EXPERTISE	EQUIVALENT CDM TECHNICAL AREA EXPERTISE (reference only)	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
1	Renewable Energy Production	1.2	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021					29.10.2021
1	Energy Efficiency Improvements	3.1	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021					29.10.2021
5	Methane Collection & destruction	13.2	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021					
5	Livestock & other anaerobic digester operations	13.2	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021					25.10.2021
5	Agricultural methane emission reduction	15.1															
5	Agricultural carbon emission reduction	15.1															
6	Capture & destruction of landfill gas	13.1	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021					29.10.2021
6	Capture & use of landfill gas	13.1	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021					29.10.2021
6	Avoidance of methane production in wastewater treatment	13.1	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021					29.10.2021
		SDS Criteria:	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	25.10.2021	29.10.2021					25.10.2021

ICR International Carbon Registry

BioCarbon Registry

PROJECT LEVEL GROUP	GHG PROJECT TYPE EXPERTISE	EQUIVALENT CDM TECHNICAL AREA EXPERTISE (reference only)	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
1	Renewable Energy Production	1.2	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022
1	Energy Efficiency Improvements	3.1	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022
5	Methane Collection & destruction	13.2	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022
5	Livestock & other anaerobic digester operations	13.2	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022
5	Agricultural methane emission reduction	15.1															
5	Agricultural carbon emission reduction	15.1															
6	Capture & destruction of landfill gas	13.1	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022
6	Capture & use of landfill gas	13.1	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022
6	Avoidance of methane production in wastewater treatment	13.1	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022
		SDS Criteria:	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022
Fa													Trainee	Trainee	Trainee	Trainee	Trainee
31													Trainee	Trainee	Trainee	Trainee	Trainee
15/13A													Trainee	Trainee	Trainee	Trainee	Trainee

COUNTRY EXPERTISE: Egypt, India, Indonesia, Iran, Kenya, Malawi, Senegal, Thailand, Türkiye, Uganda for all above listed GHGRSs

F-C-044 / 27.03.2024 - 02

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 Certificate of Appointment is given to

Mr. Khalid Mahmood

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

This Appointment Certificate is granted on the date of **27.03.2024** by

Christian Johannes
(General Manager)

Gold Standard
Climate Security & Sustainable Development

Verified Carbon Standard
A VERRA STANDARD

CERCARBONO
Certified Carbon Standard

PROJECT LEVEL GROUP	GHG PROJECT TYPE EXPERTISE	EQUIVALENT CDM TECHNICAL AREA EXPERTISE (reference only)	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
1	Renewable Energy Production	1.2	18.07.2023	18.07.2023	18.07.2023	Trainee	18.07.2023	18.07.2023	18.07.2023	18.07.2023	Trainee	18.07.2023					
1	Energy Efficiency Improvements	3.1															
5	Methane Collection & destruction	13.2															
5	Livestock & other anaerobic digester operations	13.2															
5	Agricultural methane emission reduction	15.1															
5	Agricultural carbon emission reduction	15.1															
6	Capture & destruction of landfill gas	13.1	18.07.2023	18.07.2023	18.07.2023	Trainee	18.07.2023	18.07.2023	18.07.2023	18.07.2023	Trainee	18.07.2023					
6	Capture & use of landfill gas	13.1	18.07.2023	18.07.2023	18.07.2023	Trainee	18.07.2023	18.07.2023	18.07.2023	18.07.2023	Trainee	18.07.2023					
6	Avoidance of methane production in wastewater treatment	13.1	18.07.2023	18.07.2023	18.07.2023	Trainee	18.07.2023	18.07.2023	18.07.2023	18.07.2023	Trainee	18.07.2023					
		SDS Criteria:	18.07.2023	18.07.2023	18.07.2023		18.07.2023	18.07.2023	18.07.2023	18.07.2023		18.07.2023					

ICR International Carbon Registry

BioCarbon Registry

PROJECT LEVEL GROUP	GHG PROJECT TYPE EXPERTISE	EQUIVALENT CDM TECHNICAL AREA EXPERTISE (reference only)	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
1	Renewable Energy Production	1.2	18.07.2023	18.07.2023	18.07.2023	Trainee	18.07.2023	18.07.2023	18.07.2023	18.07.2023	Trainee	18.07.2023	18.07.2023	18.07.2023	18.07.2023	Trainee	18.07.2023
1	Energy Efficiency Improvements	3.1															
5	Methane Collection & destruction	13.2															
5	Livestock & other anaerobic digester operations	13.2															
5	Agricultural methane emission reduction	15.1															
5	Agricultural carbon emission reduction	15.1															
6	Capture & destruction of landfill gas	13.1	18.07.2023	18.07.2023	18.07.2023	Trainee	18.07.2023	18.07.2023	18.07.2023	18.07.2023	Trainee	18.07.2023	18.07.2023	18.07.2023	18.07.2023	Trainee	18.07.2023
6	Capture & use of landfill gas	13.1	18.07.2023	18.07.2023	18.07.2023	Trainee	18.07.2023	18.07.2023	18.07.2023	18.07.2023	Trainee	18.07.2023	18.07.2023	18.07.2023	18.07.2023	Trainee	18.07.2023
6	Avoidance of methane production in wastewater treatment	13.1	18.07.2023	18.07.2023	18.07.2023	Trainee	18.07.2023	18.07.2023	18.07.2023	18.07.2023	Trainee	18.07.2023	18.07.2023	18.07.2023	18.07.2023	Trainee	18.07.2023
		SDS Criteria:	18.07.2023	18.07.2023	18.07.2023		18.07.2023	18.07.2023	18.07.2023	18.07.2023		18.07.2023	18.07.2023	18.07.2023	18.07.2023		18.07.2023
													15.03.2024	15.03.2024	15.03.2024		15.03.2024
													15.03.2024	15.03.2024	15.03.2024		15.03.2024
													15.03.2024	15.03.2024	15.03.2024		15.03.2024

COUNTRY EXPERTISE: Brazil, China, Pakistan, Türkiye, Tunisia for all above listed GHGRSs

F-C-044 / 27.03.2024 - 02

CERTIFICATE OF APPOINTMENT

re-carbon
quality in carbon auditing

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This Certificate of Appointment is given to

Ms. İrem Taşkıran

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

This Appointment Certificate is granted on the date of **27.03.2024** by

Christian Johannes
(General Manager)

Gold Standard
Climate Security & Sustainable Development

Verified Carbon Standard
A VERRA STANDARD

CERCARBONO
Certified Carbon Standard

PROJECT LEVEL GROUP	GHG PROJECT TYPE EXPERTISE	EQUIVALENT CDM TECHNICAL AREA EXPERTISE (reference only)	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
1	Renewable Energy Production	1.2	23.10.2023	23.10.2023	11.12.2023		09.11.2022	23.10.2023	23.10.2023	11.12.2023		09.11.2022					09.11.2022
1	Energy Efficiency Improvements	3.1	Trainee	Trainee	Trainee		Trainee	Trainee	Trainee	Trainee		Trainee					
5	Methane Collection & destruction	13.2															
5	Livestock & other anaerobic digester operations	13.2															
5	Agricultural methane emission reduction	15.1															
5	Agricultural carbon emission reduction	15.1															
6	Capture & destruction of landfill gas	13.1															
6	Capture & use of landfill gas	13.1															
6	Avoidance of methane production in wastewater treatment	13.1															
		SDS Criteria:	23.10.2023	23.10.2023	11.12.2023		09.11.2022	23.10.2023	23.10.2023	11.12.2023		09.11.2022					09.11.2022

ICR International Carbon Registry

BioCarbon Registry

PROJECT LEVEL GROUP	GHG PROJECT TYPE EXPERTISE	EQUIVALENT CDM TECHNICAL AREA EXPERTISE (reference only)	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
1	Renewable Energy Production	1.2	23.10.2023	23.10.2023	11.12.2023		09.11.2022	23.10.2023	23.10.2023	11.12.2023		09.11.2022	23.10.2023	23.10.2023	11.12.2023		09.11.2022
1	Energy Efficiency Improvements	3.1	Trainee	Trainee	Trainee		Trainee	Trainee	Trainee	Trainee		Trainee	Trainee	Trainee	Trainee		Trainee
5	Methane Collection & destruction	13.2															
5	Livestock & other anaerobic digester operations	13.2															
5	Agricultural methane emission reduction	15.1															
5	Agricultural carbon emission reduction	15.1															
6	Capture & destruction of landfill gas	13.1															
6	Capture & use of landfill gas	13.1															
6	Avoidance of methane production in wastewater treatment	13.1															
		SDS Criteria:	23.10.2023	23.10.2023	11.12.2023		09.11.2022	23.10.2023	23.10.2023	11.12.2023		09.11.2022	23.10.2023	23.10.2023	11.12.2023		09.11.2022
													15.03.2024	15.03.2024	15.03.2024		15.03.2024
													15.03.2024	15.03.2024	15.03.2024		15.03.2024
													15.03.2024	15.03.2024	15.03.2024		15.03.2024

COUNTRY EXPERTISE: Türkiye for all above listed GHGRSs

F-C-044 / 27.03.2024 - 02

CERTIFICATE OF APPOINTMENT

re-carbon
quality in carbon auditing

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This Appointment Certificate is granted on the date of **20.02.2023** 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:

Gold Standard
Climate Security & Sustainable Development

Verified Carbon Standard
A VERRA 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					30.05.2022	30.05.2022	30.05.2022	21.12.2022		30.05.2022	30.05.2022	30.05.2022	21.12.2022		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					20.02.2023	20.02.2023	20.02.2023	20.02.2023		20.02.2023	20.02.2023	20.02.2023	20.02.2023		20.02.2023
	TA 13.2: Manure					20.02.2023	20.02.2023	20.02.2023	20.02.2023		20.02.2023	20.02.2023	20.02.2023	20.02.2023		20.02.2023
SS 16: Agriculture	TA 16.1: Agriculture															

ICR International Carbon Registry

BioCarbon Registry

SECTORAL SCOPE	TECHNICAL AREA	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
SS 01: Energy industries	TA 1.1: Thermal energy generation															
	TA 1.2: Renewables	30.05.2022	30.05.2022	21.12.2022		30.05.2022	30.05.2022	30.05.2022	21.12.2022		30.05.2022	30.05.2022	30.05.2022	21.12.2022		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	20.02.2023	20.02.2023	20.02.2023		20.02.2023	20.02.2023	20.02.2023	20.02.2023		20.02.2023	20.02.2023	20.02.2023	20.02.2023		20.02.2023
	TA 13.2: Manure	20.02.2023	20.02.2023	20.02.2023		20.02.2023	20.02.2023	20.02.2023	20.02.2023		20.02.2023	20.02.2023	20.02.2023	20.02.2023		20.02.2023
SS 16: Agriculture	TA 16.1: Agriculture															

COUNTRY EXPERTISE: Türkiye (27.05.2022)

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