



**Verified Carbon
Standard**

AKINCI HYDROELECTRIC POWER PLANT 3RD VERIFICATION REPORT



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Project ID	1380
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Client	AYDEM Yenilenebilir Enerji A.Ş.

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Summary:

“Akıncı Hydroelectric Power Plant” is operated by “AYDEM Yenilenebilir Enerji A.Ş.”. The project activity is located in Tokat Province in the Central Anatolia Region of Turkey. The commissioning date of the project is 24/10/2018 for Unit-I and II and 24/01/2019 for Unit-III as per the provisional acceptance protocol of the turbines. There are 3 Vertical Axis Francis turbines with the installed capacity of 33.577 MWm/33.00 MWe for each. Therefore, the total installed capacity of the project activity is 100.73 MWm/99.00 MWe. This information has been confirmed via the generation license.

The purpose of the project activity is to generate electricity and supply it into the national grid. The project activity reduces greenhouse gas (GHG) emissions that would have otherwise occurred in the absence of the project activity by avoiding electricity generation from fossil fuel sources.

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 2.00 and dated 26/11/2014.

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 15.0.0 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 ₂ e)	Project emissions or removals (tCO ₂ e)	Leakage emissions (tCO ₂ e)	Net GHG emission reductions or removals (tCO ₂ e)
2021	5,856	0	0	5,856
2022	162,941	0	0	162,941

2023	117,893	0	0	117,893
Total	286,690	0	0	286,690

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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 “Akıncı Hydroelectric Power Plant”. The objective of this verification activity was to assess, with objective evidence:

- if the monitoring report version 05 dated “09/08/2024” 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 2.00, dated 26/11/2014.

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 15.0.0, 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

“Akıncı Hydroelectric Power Plant” is operated by “AYDEM Yenilenebilir Enerji A.Ş.”. The project activity is located in Tokat Province in the Central Anatolia Region of Turkey. The commissioning date of the

project is 24/10/2018 for Unit-I and II and 24/01/2019 for Unit-III as per the provisional acceptance protocol of the turbines. There are 2 Vertical Francis turbines with the installed capacity of 33.577 MWm/33.00 MWe for each. Therefore, the total installed capacity of the project activity is 100.73 MWm/99.99 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
Manufacturer	Voith
Rated speed	375 r/min
Axis	Vertical Francis
Net Head	105.9 m
Flow Rate	35000 L/s
Production Date	2017

Equipment	Generator
Quantity	2
Manufacturer	Indar
Type	SENKRON GENERATOR (PSA-2000-Z/16)
Rotation	375 rpm
Frequency	50 Hz
Production Date	2017
Number of Phase	3

The start date of the project activity is 24/10/2018 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 24/10/2018 until 23/10/2028 with 10 years fixed.

The monitoring period dates are as follow:

1 st monitoring period	24/10/2018 – 30/09/2020
2 nd monitoring period	01/10/2020 – 30/09/2021
3 rd monitoring period	01/10/2021 – 31/07/2023

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 “Akıncı Hydroelectric Power Plant”. The objective of this verification activity was to assess, with objective evidence:

- if the monitoring report version 05 dated “09/08/2024” 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 2.00 dated 26/11/2014.

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 15.0.0, 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	13.06.2024	323
Review of the MR version 01	27.07.2023	24.10.2023	90
Site Visit	17.08.2023	17.08.2023	1
Issuance of the Verification Protocol version 01	21.10.2023	24.10.2023	4
Review of PPs Initial Set of Responses	19.12.2023	7.03.2024	80
Issuance of the Verification Protocol version 02	7.03.2024	7.03.2024	1
Review of PPs Second Loop Responses	27.03.2024	15.04.2024	20
Issuance of the Verification Protocol version 03	15.04.2024	15.04.2024	1
Review of PPs Third Loop Responses	16.04.2024	9.05.2024	24
Issuance of the Verification Protocol version 04	9.05.2024	9.05.2024	1
Review of PPs Fourth Loop Responses	16.05.2023	16.05.2023	1
Closing of all the CARs and CLs	16.05.2023	17.05.2023	2
Issuance of the Verification Report version 01	13.06.2024	14.06.2024	2
ITR Process	18.06.2024	12.09.2024	87
Issuance of the Verification Report version 02	20.08.2024	12.09.2024	24
ITR Approval	12.09.2024	12.09.2024	1
Submission for Final Approval	12.09.2024	12.09.2024	1
Submission to the PP	12.09.2024	12.09.2024	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 5, dated 09/08/2024 being the final version. The monitoring report and the monitoring activities were assessed against the registered PD, version 2.00, dated 26/11/2014, the ACM0002 “Consolidated baseline methodology for grid-connected electricity generation from renewable sources.” Version 15.0.0, 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 1.0 dated 08/12/2014.

The following actions were involved in the desk review:

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

The list of the documents which were reviewed during the verification period is given in Table 2-2 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	16/11/2023
D03	Monitoring Report	3	14/02/2024
D04	Monitoring Report	4	16/05/2024
D05	ER Calculation Excel Sheet	01	26/07/2023
D06	ER Calculation Excel Sheet	02	19/12/2023
D07	Single Line Diagram	-	-
D08	System Usage Agreement	-	22/02/2021
D09	Generation License	-	24/10/2019
D10	Provisional Acceptance Document	-	24/10/2018 for Unit-I and II and

Document Number	Document Name	Version	Date (dd/mm/yyyy)
			24/01/2019 for Unit-III
D11	Meter change and First Index Protocol for current meters	-	25/10/2018
D12	Current Meters Test Reports	-	21/11/2022
D13	Official Gazette published including name change of the PP.	-	27/12/2019
D14	Registered VCS-PD for the 1 st Crediting Period	2.00	26/11/2014
D15	Registered VCS-Validation report for the 1 st Crediting Period	1.0	08/12/2014
D16	Photographic evidences of turbine name tags	-	-
D17	EPIAS Records	-	10/2021 - 07/2023
D18	Meter Reading Forms (OSF Forms) for cross-checking	-	10/2021 - 07/2023
D19	KMZ file of the Project Activity	-	-
D20	EIA report	-	2008
D21	Social Security Records of the Employees	-	2021 2022 2023
D22	Signed Declaration about Double Counting	-	18/12/2023
D23	Photographic Evidence of the Complaint Box	-	-
D24	2 nd Monitoring Period Verification Report	1.1	11/12/2020
D25	ACM0002	16.0	01/06/2014
D26	Tool for the demonstration and assessment of additionality	07.0	23/12/2022
D27	Tool to calculate the emission factor for an electricity system	07.0	31/08/2018

Document Number	Document Name	Version	Date (dd/mm/yyyy)
D28	Tool to calculate project or leakage CO ₂ emissions from fossil fuel combustion	03.0	22/10/2017
D29	CDM Validation and Verification Standard for Project Activities	3.0	09/09/2021
D30	CDM Project Standard for Project Activities	3.0	09/09/2021
D31	Monitoring Report	5	09/08/2024
D32	ER Calculation Excel Sheet	03	09/08/2023

2.3 Interviews

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

The list of individuals who were interviewed during verification process, executed on 17/08/2023 using 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	Şeref ALTUĞ	Administrative Executive	AYDEM Yenilenebilir Enerji A.Ş.
I02	SV	Sultan TUNÇBİLEK	Environmental Expertise	Aydem Yenilenebilir Enerji A.Ş.
I03	SV	Deniz YURTOĞLU	Project Manager	GTE Consultant
I04	SV	Özgün Gül KOPARAN	Environmental executive	AYDEM Yenilenebilir Enerji A.Ş.

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

Reference Number	Means of Interview ¹	Full Name	Title	Organization
I05	SV	Bera Aydın	assistant environmental specialist	AYDEM Yenilenebilir Enerji A.Ş.
I06	SV	Erkan ÖZER	Electrical Technician	AYDEM Yenilenebilir Enerji A.Ş.
I07	SV	Yasin KUNDAKÇI	Operation Executive	AYDEM Yenilenebilir Enerji A.Ş.
I08	SV	Halil İbrahim DEMİR	Local people	Reşadiye village

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	17/08/2023	
Location	Tokat Province	
Participant	Company Name	Role in the Organization / Role in the Site Visit
Şeref ALTUĞ	AYDEM Yenilenebilir Enerji A.Ş.	Administrative Executive
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
Erkan ÖZER	AYDEM Yenilenebilir Enerji A.Ş.	Electrical Technician
Yasin KUNDAKÇI	AYDEM Yenilenebilir Enerji A.Ş.	Operation Executive
Halil İbrahim DEMİR	Reşadiye village	Local people
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 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 of 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 26/11/2014, version 2.00.
- A physical site visit was executed on 17/08/2023 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 15.0.0.
- 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 forms of Corrective Action Requests (CARs), Clarification Requests (CLs) and Forward Action Requests (FARs). When and for which type of non-conformities CARs, CLs and FARs are issued is explained below:

The verification team raises a **CAR** if one of the following occurs:

- Non-conformities with the monitoring plan or methodology are found in the monitoring and reporting, or if the evidence provided to prove
- conformity is insufficient.
- Mistakes have been made in applying assumptions, data or calculations of emission reductions that will impair the estimate of emission reductions.
- Issues identified in a FAR during validation to be verified during verification have not been resolved by the Project proponents.

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

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

According to these principles a total of 26 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 24/10/2023), taking all the above factors into consideration, and as a result of the contract review process.

The verification team and ITR details are given in Table 2-6 below:

Table 2-6: Verification team and ITR details

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

Previous Team Leader was Ms. Öykü YAKUPOĞLU and 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 24/10/2023.

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

A : Administrative

DR : Desk Review

SV : Site Visit

RA : Remote Assessment

R : Reporting

ITR : Independent Technical Review

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

The Independent Technical Review is performed by another Team Leader of RE-Carbon Ltd. who was not involved in the verification activities of this specific project activity. When the appointed Team Leader finalizes the 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 1.1 dated 11/12/2020.

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 which is the current project proponent. The project activity is in compliance with the scenario described at the Project Design Document and validated by the validation report dated 08/12/2014.

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

3.3 New Project Activity Instances in Grouped Projects

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 225,831 tCO₂e and corresponding total estimated amount for the monitoring period is 414,024tCO₂e. The actual values achieved for the current monitoring period is 286,690 tCO₂e. The actual amount of emission reduction for the current monitoring period is about 30.8% 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 252,454.88 MWh net electricity generation), SDG 8 (Decent Work and Economic Growth with 28 employed staff during the recent year of operation period and all are permanent staff), SDG 12, SDG-13 (Climate Action with achieved emission reduction of 286,690 tCO₂e), SDG 14, SDG 15 and SDG 17 during the monitoring period.

The project was commissioned on 24/10/2018 for Unit-I and II and 24/01/2019 for Unit-III which was verified by the provisional acceptance protocol. The project activity does consist of 3 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 credits, 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 verification report version 1.1 dated 12/12/2020).

Compliance of the Monitoring Plan with the Monitoring Methodology

The monitoring plan is in accordance with the approved methodology, ACM0002, Version 15.0.0, 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_{pp}-Gross Generation.y , EG_{pp}-self consumption.y: The quantity of net electricity delivered to the grid has been calculated with the EPIAS (the financial settlement centre of TEIAS) records provided to the PP by TEIAS. The net electricity is measured continuously by one main electricity meter at the grid interface and recorded monthly. There are also one back up electricity meter. That means the electricity generation and consumption values have been determined through the summation of the measured values of the main meter and checked through the back up meter. All readings and billings are done via EPIAS system which is the legal database of the Ministry of Energy and Natural Resources in Turkey. During this verification, all EPIAS and TEIAS meter reading protocol records have been reviewed by the verification team. The project mainly uses its own electricity however during the times when there is no generation, the project imports electricity from the grid. There are also internal reviews of the metered data which is checked by different parties. The EPIAS records are considered as the main source for the net electricity and the values are crosschecked with the Meter Reading Forms.
- There are always internal reviews of the metered data which is checked by different parties. SCADA system is available from which daily reports are taken. The data collected daily is saved in the plant manager computer and backed up. Sample logbooks were checked and there were no differences in data.
- Cap_{PJ} : 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.

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 back up electricity meter.

The calibrated electricity meters were installed as per the regulations. Although, re-calibration is required after ten years, nevertheless, in case of irregular difference between main and cross-check spare meters, TEIAS (grid company) responsible unit is informed for the intervention. That means, TEIAS is responsible for the calibration and maintenance of the meters. The calibration of the meters is valid for 10 years in line with the relevant legal regulation.

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

Current ones:

	Main Meter	Spare Meter
Brand-Model	EMH	EMH
Serial Number	7019918	7019919
Previous Calibration Date	14/11/2017	14/11/2017
Calibration Frequency	10 years	10 years
Class	0.2 S	0.2 S
Test Date	21/11/2022	21/11/2022

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

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

Verification team re-produced the calculations and confirmed that all the calculations have 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	<i>This is the third verification of the first crediting period.</i>
Double counting and participation under other GHG programs	<i>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</i>

	<i>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.</i>
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	<i>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 12, SDG 13, SDG 14, SDG 15, SDG 17 as follows:</i> <i>SDG 7: 557,763.41 MWh/year</i> <i>SDG 8: 18 employees</i> <i>SDG 12: The electricity generated during the operation of the project activity leads to emission reductions, promoting the sustainable production and consumption of electricity, in alignment with SDG 12.</i> <i>SDG 13: 286,690 tCO2e/year</i> <i>SDG 14: No pollution from any source is released into the river due to the plant's operation. All activities involving fuels and oils are conducted in a drained area to prevent leakage, and any excess fuels and oils are transferred to waste treatment facilities.</i> <i>SDG 15: the project has avoided the destruction of environmental sensitive areas</i>

	SDG 17: The project activity enhances the implementation and revitalization of the global partnership for sustainable development by delivering substantial environmental and socio-economic benefits. 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 project does not affect the well-being of the stakeholders negatively.
Location of stakeholders	Reşadiye village represent 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	<i>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:</i> <i>Noise due to the project activity</i> <i>Impact on the aquatic life where the project had been constructed</i> <i>Waste management practices implemented by PP</i> <i>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.</i> <i>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.</i>
Date(s) of stakeholder consultation	<i>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.</i>
Communication of monitored results	<i>N/A (No negative feedback was received from the local stakeholders.)</i>
Consultation records	<i>The photographic evidence of the grievance book has been examined by the VVB, there was no grievance from the local stakeholders.</i>
Stakeholder input	<i>N/A (No negative feedback was received from the local stakeholders.)</i>

4.2.3 Free, Prior, and Informed Consent

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Consent	<i>The project land does not belong the lps 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.</i>
Outcome of FPIC discussion	<i>N/A (The project land does not belong the lps 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.)</i>

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	<i>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.)</i>
Grievance redress procedure	<i>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.)</i>

4.2.5 Public Comments

Comments received	Actions taken by the project proponent	Evidence gathering activities, evidence checked, and assessment conclusion
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<i>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.)</i>	<i>N/A</i>	<i>N/A</i>
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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 18/03/2008 by Tokat Provincial Directorate of Environment and Forestry was also provided by the PP.

Hazardous wastes are collected by a contracted company and records dated 14/06/2021, 23/11/2021, 05/08/2022, 10/01/2022, 14/12/2022, 21/12/2022 and 24/02/2023 was 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 17/06/2021, 29/12/2021, 16/06/2022, 17/06/2022, 24/11/2022, 16/06/2022.

Solid- wastes are collected by a contracted company and records dated 06/09/2021, 15/06/2021, 21/01/2021, 27/04/2021, 03/03/2021, 04/07/2022, 09/05/2022, 14/01/2022, 19/09/2022, 27/12/2022, 02/05/2023, 03/03/2023, 03/04/2023, 02/05/2023 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. Regular ecosystem reporting mechanism is applied for the field. A fish passage is constructed to ease up and down stream movements of the fish living in Yeşilırmak River.

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

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Risks to stakeholder participation	<i>No risk has been identified through on-site visit interviews.</i>

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	<i>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 in the project site.</i>
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4.2.7.2 Human Rights

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Human rights	<i>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.</i>

4.2.7.3 Indigenous Peoples and Cultural Heritage

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Preservation and protection of cultural heritage	<i>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.)</i>

4.2.7.4 Property Rights

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

4.2.7.5 Benefit Sharing

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Summary of the benefit sharing plan	<i>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.)</i>
Benefit sharing during the monitoring period	<i>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.)</i>

4.2.8 Ecosystem Health

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Impacts on biodiversity and ecosystems	<i>No risk identified</i>
Soil degradation and soil erosion	<i>No risk identified</i>
Water consumption and stress	<i>No risk identified</i>
Usage of fertilizers	<i>No risk identified</i>

4.2.8.1 Rare, Threatened, and Endangered species

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Species or habitat	<i>The project activity has fish passage in line with the local regulations. In Turkey, fish passages are checked by DSI (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.</i>

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
01/10/2021 – 31/12/2021	Export to Grid: 11,529.567 MWh Import from Grid: 135. 650 MWh Net electricity supplied to grid: 11,393.92 MWh	EPIAS Records
01/01/2022 – 31/12/2022	Export to Grid: 317,118.161 MWh Import from Grid: 112.357 MWh Net electricity supplied to grid: 317,005.80 MWh	EPIAS Records
01/01/2023 – 31/07/2023	Export to Grid: 229,414.58 MWh Import from Grid: 50.89 MWh	EPIAS Records

Period	Amount	Compliance Check
	Net electricity supplied to grid: 229,363.69 MWh	
Total (01/10/2021 - 31/07/2023)	Export to Grid: 558,062.30 MWh Import from Grid: 298.89 MWh Net electricity supplied to grid: 557,763.41 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 15.0 and the registered PD, the GHG emission reductions are calculated as follows:

$$ER_y = BE_y - PE_y$$

Where:

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

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

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

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

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 CO₂/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 CO₂ emission factor for grid connected power generation in year y calculated using the latest version of the "Tool to calculate the emission factor for an electricity system" (tCO₂ / MWh)

Since the project is a greenfield renewable power plant:

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

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

It has been confirmed that the data used for emission reductions are correct. The grid emission factor taken is 0.514 tCO₂ / MWh and the value is same as fixed ex-ante in the registered PD.

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

According to the registered PD, the estimated emission reduction for this monitoring period would be 414,024 tCO₂e corresponding to the monitoring period. However, the project in operation totally reached 286,690 tCO₂e in this period.

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

Table 4-2: Emission Reductions

Period	Emission reductions (tCO ₂ e)
01/10/2021 – 31/12/2021	5,856
01/01/2022 – 31/12/2022	162,941
01/10/2023 – 31/07/2023	117,893
Total	286,690

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 15.0 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 2.00 dated 26/11/2014, the combined margin emission factor had been validated and will remain the same for the first crediting period of 10 years as 0.514 tCO₂/MWh.

The only parameter that needs to be closely verified is the net electricity generation and this value is taken from the monthly TEIAS meter reading protocol records which are along with the EPIAS records are the basis for billing and these records for each month has been submitted to and reviewed. They are recorded and saved automatically by the relevant government authority and there is no base for any option of material information.

Level of materiality is ensured by application of “Guideline on the Application of Materiality in Verifications” version 02. To guarantee this level of assurance, all data that is used in the GHG emission reduction calculations have been reviewed without any sampling.

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

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 “Akıncı Hydroelectric Power Plant”, a project with the registry reference number “VCS 1380” for the monitoring period in between 01/10/2021 and 31/07/2023. The scope of the activities covers the verification and certification of GHG emissions reductions, reported in the Monitoring Report Version 5, dated 09/08/2024 of “Akıncı 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 6.

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 Trainee, 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 31/07/2023 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 “Akıncı Hydroelectric Power Plant” in Turkey is implemented in accordance with the validated and registered PD version 2.00, dated 26/11/2014. 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 15.0.

5.2 Verification Conclusion

Verification period: From 01-10-2021 to 31-07-2023

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

Vintage period	Baseline emissions (tCO ₂ e)	Project emissions (tCO ₂ e)	Leakage emissions (tCO ₂ e)	Reduction VCUs (tCO ₂ e)	Removal VCUs (tCO ₂ e)	Total VCUs (tCO ₂ e)
01-Oct-2021 to 31-Dec-2022	5,856	0	0	5,856	0	5,856
01-Jan-2022 to 31-Dec-2022	162,941	0	0	162,941	0	162,941
01-Jan-2023 to 31-July-2023	117,893	0	0	117,893	0	117,893
Total	286,690	0	0	286,690	0	286,690

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	Achieved reductions/removals	Percent difference	Explanation for the difference
01-Oct-2021 to 31-Dec-2022	56,458	5,856	89.6	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-2022 to 31-Dec-2022	225,831	162,941	27.8	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-July-2023	131,735	117,893	10.5	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	414,024	286,690.00	30.8	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
12/09/2024		

APPENDIX 1: COMMERCIALY SENSITIVE INFORMATION

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

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 It is required to 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 bottom of the cover page has been included, and all sections have been indicated using Arial, 10.5 pt, black, regular font.	Review-1: OK, closed. (Font Arial has been used)
CAR-2 It is required to correct the report ID according to the monitoring period number.	2.3	Response-1: The report ID has been corrected according to the monitoring period number.	Review-1: OK, closed. (Report ID has been corrected)
CAR-3 a) It is required to 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.	1.1.1	Response-1: a) The baseline emission values, project emission values, leakage emission values, and emission reduction values for the whole current monitoring period have been demonstrated in a monthly basis in the ER Calculation Excel sheet and the round-down function has been applied. The emission reduction value has been revised	Review-1: a) Total emission reduction and electricity generation values are not inline in ER Excel Sheet. b) OK, closed. (Audit history has been indicated correctly) c) Explanation of project boundary is missing.

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) It is required to include the audit history of the project in the Tabular Format provided in VCR MR version 4.2. (First crediting period, previous monitoring periods) c) It is required to specify the project boundary and baseline scenario with the referring applied methodology. d) It is required to provide the July 2023 electricity generation value evidence document. After that, update the new electricity generation, internal consumption and emission reduction values throughout the MR and in the ER calculation sheet. e) It is required to correct the electricity values of February 2023. f) Please indicate the installed capacity with showing mechanical and electrical generation (MWm/MWe). g) It is required to provide the provisional acceptance protocols for turbine 1, 2 and 3. (The provided document by the consultant does not open) h) It is required to indicate the annual electricity generation and emission reduction values as well. i) It is required to explain why there are no internal electricity		- throughout the MR according to these changes. b) The audit history of the project has been updated. c) The project boundary and baseline scenario has been specified with referring applied methodology. d) The July 2023 electricity generation value has been provided. The MR and ER calculation sheet has been updated. e) The electricity values of February 2023 are already correct. f) The installed capacity has been indicated with showing mechanical and electrical generation (MWm/MWe). g) The provisional acceptance protocols have been updated. h) The annual electricity generation and emission reductions have been indicated. i) The meters are double sided. So, when there are low generation, the facility conducts an internal consumption. However, when the generation is very high, such as the mentioned months, there are no need for internal consumption. The facility works with the electricity that itself produced.	d) OK, closed. (July 2023 EPIAŞ screenshot has been provided) e) Consumption of February 2023 has been indicated wrong in ER Excel Sheet. f) Installed capacity with showing mechanical and electrical generation (MWm/MWe) is missing. g) In milestone table, only one date has been indicated as provisional acceptance date. Different dates for acceptance of 3 units should have been indicated separately. h) No round down has been applied to the emission reduction value shown in MR. i) OK, closed. (Explanation has been done) j) OK, closed. (Cell I26 and L26 have been corrected) k) SDG 7 and SDG 13 should have been corrected according to above corrections. l) OK, closed. (Site visit date has been corrected) m) System usage agreement date in milestone table 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
consumption for May 2023, June 2023 & very low internal consumption July, August, September, & December 2022. j) It is required to correct the cell I26 & L26 in ER Excel Sheet. k) It is required to indicate the SDG contributions in ER Excel Sheet. l) It is required to correct the site visit date in milestone table. m) It is required to provide the system usage agreement. n) The start date of the project activity is indicated in MR as 24/10/2018 while in PD start date of the project activity is indicated as 12/02/2017. It is required to correct the contradiction and indicate the explanation. o) In MR, crediting period is indicated as 24/10/2018 -23/10/2028. In PD, crediting period is indicated as 12/02/2017-11/02/2027. It is required to correct the contradiction and indicate the explanation.		j) The cell I26 and L26 have been corrected. k) SDG contributions have been indicated in ER Excel Sheet. l) The site visit date has been corrected in the milestone table. m) The system usage agreement has been provided. n) The start date of the project activity is 24/10/2018, which is the first provisional acceptance. In the registered PD, the statement is "The date is expected to be 12/02/2017". The project start date is 24/10/2018 as in the Verra Registry System. o) The first crediting period of the project activity is 24/10/2018 - 23/10/2028. In the registered PD, the statement is "The date is expected to be 12/02/2017" for the project start date. The first crediting period of the project activity is 24/10/2018 - 23/10/2028 as in the Verra Registry System. Response-2: a) Total electricity generation and emission reduction values have been demonstrated properly in ER Excel Sheet (in line 36 cell B and cell H, respectively).	wrong according to the evidence document. n) OK, closed. (Project start date is correct) o) OK, closed. (Crediting period date is correct) Review-2: a)OK, closed. (Revised.) c)OK, closed. (Added.) e)OK, closed. (They are correct.) f)Total installed capacity of the plant has not been included. g)In milestone table, only one date has been indicated as provisional acceptance date. Different dates for acceptance of 3 units should have been indicated separately. h)There is no need to apply round down function to every month of monitoring period. Round down function is better to use after summing up all the emission reduction values of the monitoring period. Round down function has not been applied to "286.690,39 tCO2/MWh" value. k)Electricity generated is stated as "557,763.42" in MR while it is "557,763.41" in ER Excel

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) Required explanation for the “Project Boundary” has been added into the Monitoring Report. e)Consumption of February 2023 in ER Excel sheet has been corrected. f) A table showing installed capacity with mechanical and electrical generation has been added to the MR in Section 1.1. g) Provisional acceptance letter dates have been completed for each 3 units in the milestone table as requested. h) Round down has been applied to the emission reduction value shown in MR. k) SDG 7 and SDG 13 have been corrected accordingly. m) System Usage Agreement date in the milestone table has been corrected. Response-3: f)Total installed capacity of the plant has been added into the table 1 in section 1.1. h)Round down function has been applied to the summed values. k)Generated electricity value has been corrected, and ROUNDDOWN founction has been applied in ER Excel Sheet to the summed values.	Spreadsheet. Moreover, SDG 13 value needs correction after applying round down function. m) OK, closed. (Revised.) Review-3: f)OK, closed. (Inserted.) g)OK, closed. (Provided for all 3 units.) h)OK, closed. (total ER amount has been indicated correctly.) k)OK, closed. (Electricity generation value has been made consistent throughout the MR.
CAR-4	1.7.1	Response-1: a) The nearest settlement to the project activity has been indicated.	Review-1: a) OK, closed. (Nearest village 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
a) It is required to indicate the nearest village and the district of the project activity. b) It is required to provide the KMZ document and indicate the screenshot of the KMZ document in section 1.7.		b) The KMZ document has been provided and the screenshot of KMZ document has been indicated in Section 1.7.	b) OK, closed. (KMZ has been provided)
CAR-5 a) It is required to indicate the reference links for applicable methodology and tools. b) It is required to use the latest versions of the applied tools.	1.8.1	Response-1: a) The reference links for applicable methodology and tools have been indicated. b) The latest version of the applied tools have been used. Response 2: - b)Applied methodology and tools have been replaced to the MR in Section 1.9.	Review-1: a) OK, closed. (Reference links of applied tools have been indicated) b) Unnecessary tool has been indicated. This is the 3rd verification process of the project activity. Review-2: - b)OK, closed. (Deleted.)
CAR-6 It is required to 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. And please delete N/A statement.	1.9.1	Response-1: 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 has been provided. The N/A statement has been deleted.	Review-1: OK, closed. (Signed and sealed letter has been provided)
CAR-7 It is required to provide the signed and sealed letter on company letterhead that project hasn't been included in an	1.10.1	Response-1: A signed and sealed letter on company letterhead that project hasn't been included in an emissions trading program;	Review-1: OK, closed. (Signed and sealed letter has been provided)

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
emissions trading program; or any other mechanism that includes GHG allowance trading. And please delete N/A statement.		or any other mechanism that includes GHG allowance trading has been provided. The N/A statement has been deleted.	
CAR-8 a) It is required to indicate each SDG contribution in the ER Calculation Excel spreadsheet as well. b) Please correct the SDG 7 and SDG 13 values according to the changes in ER Excel Sheet.	1.11.1	Response-1: a) Each SDG contribution has been indicated in the ER Calculation Excel spreadsheet. b) The SDG 7 and SDG 13 values have been corrected according to the changes in ER Excel Sheet. Response-2: b)SDG 7 and SDG 13 have been corrected according to above corrections in ER Excel Sheet and in MR. Response-3: b)The values have been corrected in ER Excel sheet and MR.	Review-1: a) OK, closed. (SDG contributions have been indicated in ER Excel Sheet) b) SDG 7 and SDG 13 should have been corrected according to above corrections in ER Excel Sheet and in MR. Review-2: b)Electricity generated is stated as "557,763.42" in MR while it is "557,763.41" in ER Excel Spreadsheet. Moreover, SDG 13 value needs correction after applying round down function. Review-3: OK, closed.(Revised.)
CAR-9 It is required to include the precautions taken for the possible negative environmental and socio-economic impacts of the project activity.	2.1.1	Response-1: The precautions taken for possible negative environmental and socio-economic impacts of the project activity have been included (Some possible environmental impacts).	Review-1: OK, closed.

Draft Report Clarifications, Forward Action and Corrective Action Requests By Verification Team	Ref. to Checklist Questions in Table-1	Summary of Project proponents' Response	Verification Team Conclusion
CAR-10 a) It is required to provide the procedures or methods used for documenting the outcomes of the local stakeholder communication in the Section 2.2. b) It is required to briefly describe the mechanism for on-going communication with local stakeholders. c) It is required to provide a signed and sealed letter from mukhtar that there are no complaints about the project activity. d) It is required to indicate if there are any negative comments.	2.2.1	Response-1: a) The procedures and methods used for documenting the outcomes of the local stakeholder communication have been provided in the Section 2.2. Evidence documents (photo of the grievance box) have been provided. b) The mechanism for on-going communication with local stakeholders has been briefly described (grievance box). c) A signed and sealed letter from mukhtar cannot be provided. d) There were no negative comments.	Review-1: a) OK, closed. b) OK, closed. (On-going communication with local stakeholders has been indicated) c) OK, closed. (Grievance records have been provided to VVB and it has seen that there are no complaints from stakeholders) d) OK, closed. (There are no negative comments)
CAR-11 a) It is required to indicate meter details in tabular format in section 3.1. (Brand, serial no, calibration date, meter change date, first index date) b) It is required to briefly describe turbine and generator technology. c) It is required to indicate the regulator, transmission tunnel and reservoir details as well. d) It is required to indicate single-line diagram of the project activity. e) It is required to indicate the net and annual electricity generation value of this monitoring period.	3.1.1	Response-1: a) The meter details have been indicated in tabular format in Section 3.1. b) The turbine and generator technology have been briefly described. c) The regulator, transmission tunnel and reservoir details have been indicated. d) The single line diagram of the project activity has been indicated. e) The net and annual electricity generation value of this monitoring period has been indicated.	Review-1: a) Calibration dates of the meters cannot be after the first index date. Also, all meter test dates should have been indicated in tabular format. b) OK, closed. (Turbine and generator specifications have been indicated in tabular format) c) OK, closed. (Indicated) d) OK, closed. (Single line diagram 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
f) It is required to provide the first index protocol and meter tests of meters. g) It is required to indicate the details of meter change if there any.		f) The first index protocol and meter tests of meters have been provided. g) There was no meter change. Response-2: a) Table 4 titled as Properties of the Meters has been updated in Section 3.1. e) Net electricity generation value has been updated according to the correction made for February 2023. Response-3: a) Calibration date (14/11/2017) of main and spare meters has been indicated in the verification report of this project. The document is titled as "1029_VCS 1380-Final Verification_Report_Clean" and can be found in the file sent you. f) The value has been corrected.	e) Net electricity generation value should have been updated according to above corrections. f) OK, closed. (Meter evidence documents have been provided) g) OK, closed. (There is no meter change) Review-2: a) Calibration document dated 14/11/2017 is not provided. e) Electricity generated is stated as "557,763.42" in MR while it is "557,763.41" in ER Excel Spreadsheet. Review-3: a) OK, closed. (Verification report of the previous process have been examined for the last calibration date.) e) OK, closed. (Revised.)
CAR-12 It is required to provide and indicate the reference document of hand-change of the project activity.	3.2.2.1	Response-1: The documents have been provided and indicated.	Review-1: OK, closed. (Evidence document have been provided)
CAR-13	4.1.1	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) It is required to correct the units of parameters. b) It is required to correct the version of used tool. c) The format of chapter 4 heading needs to be changed as per requirements of VCS MR Template Version 4.2.		a) The units of parameters have been corrected. b) The version of used tool has been corrected. c) The format of chapter 4 heading is correct according to the VCS MR Template Version 4.2. Can you please specify? Response 2: a) The units of all parameters are correct in the new version of MR (VCS 4.3). b) Version of the tool has been updated. c) VCS 4.3 version of MR have been used, so MR version has been updated. Response-3: a) There is no typo in the units. c) MR version has been updated. Response-4: a) The unit of EFCO2 is tCO2/GJ; therefore, the unit has been changed and corrected in the Data and parameter section. b) CAR-18 has been responded appropriately.	a) Not all the units have been corrected. Units are not in line with registered PD. b) Version of the tool is still not updated. c) VCS has been published 4.3 version of the MR. MR version should have been updated. Review-2: a) Unit of EFCO2, l, y has a typo. b) OK, closed. (Updated.) c) Version has not been updated in header moreover, contents of the report does not match with VCS Monitoring Report Template version 4.3. Please check the VCS Monitoring Report Template version 4.3. and correct all sections, title names, missing sections, tables, etc accordingly. Review-3: a) In the last verification, unit of EFCO2 has been indicated as "tCO2/GJ" but in the current MR it has been indicated as "tCO2-GJ".

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 see CAR-18 Review-4: a)OK, closed. (Revised.) c)OK, closed. (Revised.)
CAR-14 a) It is required to indicate the main and cross-check source for EGPP-Gross Generation, y parameter. b) It is required to indicate meter details in tabular format (brand, serial no, calibration date, meter test dates) for EGPP-Gross Generation, y parameter. c) It is required to correct the value of EGPP-Gross Generation, y parameter.	4.2.1	Response-1: a) The main and cross-check source for EGPP-Gross Generation, y parameter has been indicated. b) The meter details have been indicated in tabular format for EGPP-Gross Generation, y parameter. c) The value of EGPP-Gross Generation, y parameter has been corrected. Response-2: b)Table 6 titled as Properties of the Meters has been updated and indicated in tabular format as requested. c)Net electricity generation value has been updated accordingly. Response-3: b)Calibration document is titled as "1029_VCS 1380-Final	Review-1: a) OK, closed. (Main and cross-check source of the parameter have been indicated) b) Calibration dates of the meters cannot be after the first index date. Also, all meter test dates should have been indicated in tabular format. c) Net electricity generation value should have been updated according to above corrections. Review-2: a) Calibration document dated 14/11/2017 is not provided. b) OK, closed. (Revised.)

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
		Verification_Report_Clean" and can be found in the file sent you.	Review-3: b)OK, closed. (Verification report of the previous process have been examined for the last calibration date.)
CAR-15 a) It is required to indicate the reference links for used regulations in section 4.3. b) It is required to provide the first index protocol and meter tests. c) It is required to explain the meter change if there are any. d) It is required to indicate the data recording details. (how many years will be the data stored etc)	4.3.1	Response-1: a) The reference links for used regulations have been indicated in section 4.3. b) The first index protocol and meter test have been provided. c) There was no meter change. d) The data recording details have been indicated. Response-2: a) Table 6 titled as Properties of the Meters has been updated and indicated in tabular format as requested. Response-3: b)Calibration document is titled as "1029_VCS 1380-Final Verification_Report_Clean" and can be found in the file sent you.	Review-1: a) OK, closed. (Reference links have been indicated) b) Calibration dates of the meters cannot be after the first index date. Also, all meter test dates should have been indicated in tabular format. c) OK, closed. (There is no meter change) d) OK, closed. (Data recording details have been indicated) Review-2: b) Calibration document dated 14/11/2017 is not provided. Review-3: b)OK, closed. (Verification report of the previous process have been examined for the last calibration date.)

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-16 a) It is required to indicate the value of the project emission in Section 5.2. b) It is required to indicate the equation 3 in applied methodology.	5.2.1	Response-1: a) The value of project emission has been indicated in Section 5.2. b) The equation 3 in the applied methodology has been indicated. Response-2: b)Required correction has been made according to the revision in Section 5.2.	Review-1: a) OK, closed. (Value of PE has been indicated) b) In section 5.2, version of the applied methodology is not consistent. Also, in some sentences it has been indicated as “most recent version of ACM0002” but Version of the used methodology is not the recent one. Review-2: b)OK, closed. (Revised.)
CAR-17 Version of the MR has not been updated.	MR	Version of the MR, which is VCS MR v4.3, has been updated. Response: - a)Version of the MR has been updated as VCS MR Template v4.3 correctly. - b)Tables in the section 5.4 have been revised as requested. - c)Instrution and examples shown in the template have been removed. - d)As is controlled from the VCS Monitoring Report template v4.3, there is no row including crediting period in the cover page; therefore, the crediting period dates have been indicated in sections where	a) Version has not been updated in header moreover, contents of the report does not match with VCS Monitoring Report Template version 4.3. Please check the VCS Monitoring Report Template version 4.3. and correct all sections, title names, missing sections, tables, etc accordingly. b) In page 40 section 5.4. unit of emissions have been classified as MWh in the table. A check is needed. c) Instructions and examples shown in VCS MR Template

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
		requested (e.g. 1.7 Project Crediting Period) e)The version and date of the MR have been revised. Response-3: b)The mentioned statement table has been deleted since only CO2 emission reductions table is needed. e)Version and the date of the MR have been revised.	version 4.3 is included in MR. They need to be removed. d) Crediting period row is missing in MR cover page even though it is available in VCS MR template. e) Also, version and date of the MR needs revision. Review-2: a)Please see CAR-18 b) "Ex-ante estimated reductions/removals (MWh)" statement is available in the table in section 5.4. c) Please see CAR-18 d)OK, closed. (Not necessary.) e)version and date of the MR need revision. Review-3: b)OK, closed. (Revised.) e)OK, closed. (Revised.)
CAR-18		Response: a) The table in section 2.1.2. has been edited.	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) The table in section 2.1.2. seems unorganized. 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 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) The last table in section 5.4. indicates “Ex-ante estimated reductions/removals (MWh)” the unit of this parameter is not correct. Table indicates electricity generation values while name		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) As requested, based upon the comments, second table has been deleted. e) The last table in section 5.4 is unnecessary since only CO₂ emission should be given in the table. Also, the percentage values of emission reduction has been provided. f) Required rows have been filled out with proper explanations. g) The table in Section 5.4 has been checked and revised. h) As requested, there was no appendix, and the appendix section has been removed.	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.)

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
indicates reductions/removals. Also, percent difference of the emission reductions has not been provided in the table. f) 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. g) This project is an emission reduction project and not removal. Table in section 5.4. has to be checked. h) In the last page of MR, there is a heading “Appendix X: <Title of appendix> If there is no appendix to be provided, this is unnecessary.			
CAR-19 a) MR (Section 1.2): The duration for the monitoring period (01/10/2020 – 30/09/2021) is provided as 2 years, which does not look logical. Check. Similarly the duration for the monitoring period (01/10/2021 – 31/07/2023) is provided as 2 years, however the duration looks less than 2 years. Check. b) MR (Section 1.9): The font color of the serial number of Section 1.9	ITR	Response-1: a) Necessary changes have been made in Section 1.2. b) The color has been revised. c) Checked.	Review-1: a) OK, closed. (Corrected.) b) OK, closed. (Corrected.) c) OK, closed. (Blank page have been removed.)

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
does not match with the original MR template. c) MR (Section 1.12): Please check the blank page at the end of Section 1.12 of MR. Check.			
CAR-20 MR (Section 5.1): The value for the baseline emissions are "286,690 tCO₂" as per the Section 5.1, however the value of BEy is written "286,680 tCO₂" in "Cell O26" and "Cell R26" of tab "Detail" in the ERs sheet. Check.	ITR	Response-1: In the ER sheet, Rounddown function was used for each row rather than the Total value. Baseline emission is calculated as 286,690 tCO₂.	Review-1: OK, closed. (ER Excel sheet has been revised.)
CAR-21 a) MR (Section 3.1): The generation value (278,881.708 MWh/year) in the statement "The Akinci HEPP generated 557,763.41 MWh of net electricity during this monitoring period, which is between 01-October-2021 and 31-July-2023 (278,881.708 MWh/year)" does not match with the value (278,881.705 MWh/year) in the ERs Excelsheet. Check. b) MR (Section 4.2): Please check the monitoring parameter "EGPP-Gross Generation, y", where the value is provided as "557,763 MWh", which does not match with the value as available in the ERs Excelsheet. Check.	ITR	Response-1: a) Decimal point has been checked. b) Parameters have been revised. c) July 2023 data has been added.	Review-1: a) OK, closed. (Annual electricity generation value have been revised.) b) OK, closed. (Gross generation value have been made consistent with the ER Excel spreadsheet) c) OK, closed. (Added.)

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) ERs Excelsheet: The electricity generation values in the Cell C25, H25 is missing in the "detail" tab of the ERs Excelsheet. Check.			
CAR-22 MR (Section 5.2): Please check the below calculations: A CapPJ = 99,000,000 We CapBL = 0.0 W APJ = 150,000 (m2) ABL = 0.0 (m2) Therefore, PD is calculated as; $PD = (99,000,000 - 0) / (150,000 - 0)$ $PD = 660 \text{ W-m}^2$ Both the values of APJ (99,000,000 We and 90,000,000) is available in the above calculations. Check.	ITR	Response-1: Section checked and corrected.	Review-1: OK, closed. (Revised.)
CAR-23 MR (Section 3.1, Table 4): The due date of calibration is provided as "18/11/2022", however as the end of monitoring period is 31/07/2023, hence the calibration details for the remaining period (18/11/2022 to	ITR	Response-1: Most recent calibration date is 21/11/2022 which is right after the due date. The documents have been provided.	Review-1: OK, closed. (Meters have been tested again on 21.11.2022, test document have been examined by the verification team.)

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
31/07/2023) also needs to be provided. Check.			
CAR-24 MR (Section 1.12): Please check the Table 1, where the contributions over project lifetime for SDG 7.2 is provided as "557,763.41 MWh", however this contribution is for the current monitoring period and not for the complete crediting period/project lifetime. Check. Similarly check for the contributions corresponding to the SDG 13.3 in the same Table 1 in Section 1.12 of MR.	ITR	Response-1: The section has been checked and revised.	Review-1: OK, closed. (Revised.)
CAR-25 MR (Section 1.1, Table 1): The site visit for the validation is provided as "17/08/2023" as per the Table 1 of MR, however the on-site inspection is 27/10/2014 as per the registered VCS-PD. Check.	ITR	Response-1: Table 1 has been revised.	Review-1: OK, closed. (Revised.)
CAR-26 a) MR (Section 1.9): The version 7.0 of "Tool to calculate the emission factor for an electricity system" is mentioned in Section 1.9, however the version 4 of this Tool is as per the PDD. Check at other places in the MR as well. b) MR (Section 4.1): Please check the monitoring parameter table (nm,y),	ITR	Response-1: a) Reference versions have been revised based on PD. b) Versions have been revised.	Review-1: a) OK, closed. (Revised.) b) OK, closed. (Revised.)

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
where the Tool description is provided as “Tool to calculate emission factor for an electricity sector”. Check. Similarly check the version of the Tool in the same monitoring parameter table.			

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. İrem Taşkıran holds a B. Sc. in “Energy Systems Engineering” from Ankara Yıldırım Beyazıt University. With re-carbon, İrem is an internal Team Leader and a Technical Expert for “Project-Level Group 1 - GHG Project Type: Renewable Energy Production”. Furthermore, İrem is a Regional Expert for Türkiye. Currently she undergoes a training program for “Project-Level Group 1 - GHG Project Type: Energy Efficiency Improvements”.

Appendix 3-1: Appointment Certificates

CERTIFICATE OF APPOINTMENT



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

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

This Certificate of Appointment is valid unless there are changes in the related requirements for the qualification and appointment and/or the personnel's work agreement is terminated. There is no defined validity period for this Certificate. However, The Certificate may be updated, suspended or cancelled at any time, as a result of performance assessments and/or other reasons as defined above.



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

Christian Johannes
(General Manager)



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:

PROJECT LEVEL GROUP	GRID PROJECT TYPE EXPERTISE	REQUIREMENT AND TECHNICAL AREA EXPERTISE (MANDATORY)	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



PROJECT LEVEL GROUP	GRID PROJECT TYPE EXPERTISE	REQUIREMENT AND TECHNICAL AREA EXPERTISE (MANDATORY)	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

COUNTRY EXPERTISE:

Türkiye

1*	15.03.204	15.03.204		15.03.204
2*	15.03.204	15.03.204		15.03.204
CORSA	15.03.204	15.03.204		15.03.204

CERTIFICATE OF APPOINTMENT



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

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

This Certificate of Appointment is valid unless there are changes in the related requirements for the qualification and appointment and/or the personnel's work agreement is terminated. There is no defined validity period for this Certificate. However, The Certificate may be updated, suspended or cancelled at any time, as a result of performance assessments and/or other reasons as defined above.

[Signature]

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

Christian Johannes
(General Manager)



This Certificate of Appointment is given to

Mr. Rohit Badaya

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

PROJECT LEVEL GROUP	GHG PROJECT TYPE EXPERTISE	EQUIVALENT GHG 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					25.10.2021
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					25.10.2021
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	16.1															
5	Agricultural carbon emission reduction	18.1															
6	Capture & destruction of landfill gas	19.1	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					25.10.2021
6	Capture & use of landfill gas	19.1	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					25.10.2021
6	Avoidance of methane production in wastewater treatment	19.1	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					25.10.2021
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	25.10.2021					25.10.2021



PROJECT LEVEL GROUP	GHG PROJECT TYPE EXPERTISE	EQUIVALENT GHG 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	16.1															
5	Agricultural carbon emission reduction	18.1															
6	Capture & destruction of landfill gas	19.1	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	19.1	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	19.1	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

COUNTRY EXPERTISE:

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

F4	Trainee	Trainee	Trainee	Trainee	Trainee
S1	Trainee	Trainee	Trainee	Trainee	Trainee
CO2B4	Trainee	Trainee	Trainee	Trainee	Trainee

CERTIFICATE OF APPOINTMENT



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

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

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[Signature]

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

Christian Johannes
(General Manager)



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:

PROJECT LEVEL GROUP	GHG PROJECT TYPE EXPERTISE	EQUIVALENT GHG 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	2.2	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	23.2															
5	Livestock & other anaerobic digester operations	23.2															
5	Agricultural methane emission reduction	26.1															
5	Agricultural carbon emission reduction	25.1															
6	Capture & destruction of landfill gas	19.1	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	23.1	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	23.1	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					



PROJECT LEVEL GROUP	GHG PROJECT TYPE EXPERTISE	EQUIVALENT GHG 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	2.2	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	23.2															
5	Livestock & other anaerobic digester operations	23.2															
5	Agricultural methane emission reduction	26.1															
5	Agricultural carbon emission reduction	25.2															
6	Capture & destruction of landfill gas	19.1	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	23.1	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	23.1	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

COUNTRY EXPERTISE:

Brazil, China, Pakistan, Türkiye, Tunisia for all above listed GHGRSS

F4	15.03.2024	15.03.2024	15.03.2024	15.03.2024
S1	15.03.2024	15.03.2024	15.03.2024	15.03.2024
CO2H4	15.03.2024	15.03.2024	15.03.2024	15.03.2024

CERTIFICATE OF APPOINTMENT



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

Christian Johannes
(General Manager)



This Certificate of Appointment is given to

Ms. İrem Taşkiran

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

PROJECT LEVEL GROUP	GHG PROJECT TYPE EXPERTISE	EQUIVALENT GHG TECHNICAL AREA EXPERTISE (reference only)	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
1	Renewable Energy Production	2.2	23.10.2023	23.10.2023	11.12.2023		09.11.2022
1	Energy Efficiency Improvements	3.1	Trainee	Trainee	Trainee		Trainee
5	Methane Collection & destruction	23.2					
5	Livestock & other anaerobic digester operations	23.2					
5	Agricultural methane emission reduction	26.1					
5	Agricultural carbon emission reduction	25.1					
6	Capture & destruction of landfill gas	19.1					
6	Capture & use of landfill gas	19.1					
6	Avoidance of methane production in wastewater treatment	23.1					
SDS Criteria:			23.10.2023	23.10.2023	11.12.2023		09.11.2022

VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
23.10.2023	23.10.2023	11.12.2023		09.11.2022
Trainee	Trainee	Trainee		Trainee
23.10.2023	23.10.2023	11.12.2023		09.11.2022

VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
23.10.2023	23.10.2023	11.12.2023		09.11.2022



PROJECT LEVEL GROUP	GHG PROJECT TYPE EXPERTISE	EQUIVALENT GHG TECHNICAL AREA EXPERTISE (reference only)	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
1	Renewable Energy Production	2.2	23.10.2023	23.10.2023	11.12.2023		09.11.2022
1	Energy Efficiency Improvements	3.1	Trainee	Trainee	Trainee		Trainee
5	Methane Collection & destruction	23.2					
5	Livestock & other anaerobic digester operations	23.2					
5	Agricultural methane emission reduction	26.1					
5	Agricultural carbon emission reduction	25.2					
6	Capture & destruction of landfill gas	19.1					
6	Capture & use of landfill gas	19.1					
6	Avoidance of methane production in wastewater treatment	23.1					
SDS Criteria:			23.10.2023	23.10.2023	11.12.2023		09.11.2022

VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
23.10.2023	23.10.2023	11.12.2023		09.11.2022
Trainee	Trainee	Trainee		Trainee
23.10.2023	23.10.2023	11.12.2023		09.11.2022

VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
23.10.2023	23.10.2023	11.12.2023		09.11.2022

COUNTRY EXPERTISE:

Türkiye for all above listed GHGRSS

F4	15.03.2024	15.03.2024	15.03.2024	15.03.2024
S1	15.03.2024	15.03.2024	15.03.2024	15.03.2024
OSHA	15.03.2024	15.03.2024	15.03.2024	15.03.2024