FINAL VERIFICATION REPORT

DUZCE AKSU HYDRO ELECTRICITY POWER PLANT

Report ID	2025TQCE302
Project title	Duzce Aksu Hydro Electricity Power Plant
Project ID	2095
Verification period	01-September-2023 to 24-April-2024
Original date of issue	21-October-2025
Most recent date of issue	22-October-2025
Version	1.1Aa
VCS Standard Version	4.7

Client	AYDEM Yenilenebilir Enerji A.Ş.
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Summary:

RINA Services S.p.A. (RINA), commissioned by AYDEM Yenilenebilir Enerji A.Ş.has verified the greenhouse gas emission reductions reported for the project activity "Duzce Aksu Hydro Electricity Power Plant" in Türkiye, VCS Registration Reference N° 2095, for the period 01/09/2023–24/04/2024 with regard to the relevant requirements for CDM and VCS activities.

The objective of the verification is to have an independent review ex post determination of the monitored reductions in GHG emission reductions, reported for the Duzce Aksu Hydro Electricity Power Plant in Türkiye for the period 01/09/2023–24/04/2024.

Verification was conducted using RINA procedures in line with the requirements specified in the VCS Standard version 4.7 /4/, VCS Program Guide version 4.4 /3/ requirements, CDM M&P, the latest version of the CDM Validation and Verification Standard, and relevant decisions of the COP/MOP and the CDM EB and applying standard auditing techniques. The verification consisted of desk review, on-site assessment and the resolution of outstanding issues and the issuance of the final verification report and certification.

The verification shall ensure that reported emission reductions are complete and accurate in accordance with applicable VCS Standard version 4.7 /4/, VCS Program Guide version 4.4 /3/ requirements, which refer to CDM rules, in order to be certified.

In conclusion, it is RINA's opinion that the project activity "Duzce Aksu Hydro Electricity Power Plant", in Türkiye, as described in the Monitoring Report Version 06 of 22/10/2025, meets all relevant requirements for VCS and CDM activities and all relevant host Party criteria and correctly applies the baseline and monitoring methodology "ACM0002", "Consolidated methodology for grid connected electricity generation", version 16.0 of 28/11/2014. Generated net electricity achieved during this monitoring period is 70,539.15 MWh. Hence, RINA is able to certify that the emission reductions from the project during the monitoring period 01/09/2023–24/04/2024 amount to 37,609 tCO2e. During this monitoring period, 2 CRs and 3 CARs are raised and closed.

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1 INTRODUCTION

1.1 Objective

The objective of the verification is to have an independent review ex post determination by a Validation and Verification Body (VVB) of the monitored reductions in GHG emissions that have occurred as a result of the registered VCS project activity during a defined monitoring period. Certification is the written assurance by the VVB that, during a specific time period, a proposed VCS project activity achieved the reductions in anthropogenic emissions by sources of GHGs as verified.

The objective of this verification/certification was to verify and certify emission reductions and effective implementation of the monitoring of sustainable development indicators and mitigation measures, reported for the "Duzce Aksu Hydro Electricity Power Plant" in Türkiye for the period 01/09/2023–24/04/2024.

1.2 Scope and Criteria

The verification scope is:

- to verify that actual monitoring systems and procedures are in compliance with the monitoring systems and procedures described in the monitoring plan;
- to evaluate the GHG emission reduction data and express a conclusion with a reasonable level of assurance about whether the reported GHG emission reduction data is free from material misstatement;
- to verify that reported GHG emission data is sufficiently supported by evidence;
- to evaluate whether all the mitigation measures have been effectively put in place according to the monitoring plan and that all the sustainable development indicators have been correctly monitored.

Verification shall ensure that reported emission reductions are complete and accurate in accordance with applicable VCS Standard version 4.7. VCS Program Guide version 4.4 requirements, which refer to CDM rules, in order to be certified.

UNFCCC criteria for CDM refer to Article 12 of the Kyoto Protocol, the CDM modalities and procedures, and the subsequent decisions by the CDM Executive Board.

Verification is not meant to provide any consultancy towards the project participants. However, stated requests for clarifications and/or corrective actions may have provided input for improvement of the monitoring.

1.3 Level of Assurance

All the revisions of the verification report, before being submitted to the client, were subjected to an independent internal technical review to confirm that all verification activities had been completed according to the pertinent RINA instructions. All evidence had been confirmed during site visit with the invoices of electricity generation. The level of assurance is reasonable.

The technical review was performed by a technical reviewer(s) qualified in accordance with RINA's qualification scheme for VCS and CDM validation and verification. The verification team and the technical reviewers consist of the following personnel:

Role/Qualification	Last Name	First Name	Country
VCS Team Leader – VCS Verifier – Technical Expert	ONARAN	Ilayda	Türkiye
Independent Technical Reviewer	ERDOĞAN	Mehmet	Türkiye

1.4 Summary Description of the Project

AYDEM Yenilenebilir Enerji A.Ş. has commissioned RINA to carry out the verification and certification of emission reductions reported for the registered "Duzce Aksu Hydro Electricity Power Plant" in *Türkiye*, VCS Registration Reference N° 2095, for the period 01/09/2023–24/04/2024.

Düzce-Aksu HEPP is a run-off river reservoir located in Gölyaka Town of Düzce Province in Türkiye. The closest settlement to the project site is Taşlı Village which is about 1 km away of the project site.

The project activity has the total installed capacity of 48.304 MWm /46.2 MWe (2 x 24.152 MWm/23.10 MWe) as confirmed through the revised generation license /13/. The project boundary in the registered VCS PD /1/ is in line with the actual project boundary. The generated electricity is fed to the national grid. The generated electricity is transmitted to the National Electricity System. The geographic coordinates of the project activity are confirmed through the registered PD /1/.

The GHG benefit of the project activity was only accounted under VCS. There is not any other I-REC were being issued for the project activity. Furthermore, as a host country in Türkiye such any program like a government-regulated system or program for the constraint and monetization of GHG emissions (such as emissions trading scheme, cap and trade or carbon tax mechanisms) has not been implemented.

The generated electricity is supplied to the National Electricity Transmission Grid Osmanca TM of Türkiye.

2 VERIFICATION PROCESS

The project was validated by RINA Services S.p.A., version 1.2Aa on 21/04/2016 and it was registered under the VCS registration reference N° 2095 for the first crediting period. This is the fourth verification assessment of first CP for the monitoring period 01/09/2023–24/04/2024 by RINA.

2.1 Method and Criteria

Verification was conducted using RINA procedures in line with the requirements specified in the VCS Standard version 4.7, VCS Program Guide version 4.4 requirements, CDM M&P, the latest version of the CDM Validation and Verification Standard, and relevant decisions of the COP/MOP and the CDM EB and applying standard auditing techniques.

The verification consisted of the following three phases:

- Document review;
- On-site assessment;

The resolution of outstanding issues and the issuance of the final verification report and certification.

2.2 Document Review

The monitoring report, Version 06 of 22/10/2025/2/, the emission reduction calculations provided in the form of a spreadsheet, "GTE Karbon Sürdürülebilir Enerji Eğt. Dan. ve Tic. A.Ş.: Emission Reduction Calculation Spreadsheet "Final_ER calculations_2095 Duzce-Aksu Hydro_ v2_06-10-2025" Version 02 of 06/10/2025 /8/, the approved baseline and monitoring methodology ACM0002 version 16.0 /6/ and all the documentation provided to support the monitoring period /1–21/ were assessed as part of the verification. In addition, the VCS Project Description (VCS PD) /1/, in particular as regards the baseline estimations and the monitoring plan, and the Validation Report version 1.2Aa on 21/04/2016 /7/ for the project, were reviewed.

All supporting documents are shared in appendix that was reviewed during the verification.

2.3 Interviews

The Plant Manager was interviewed during site visit. To see how the monitoring procedures were implemented, the whole process was explained to the verification team. The carbon consultant was interviewed about the monitoring report and related parameters. Whole process related emission reduction calculation was explained. The mukhtar was interviewed. They confirmed that no grievance was announced by the stakeholders. The key personnel interviewed, and the main topics of the interviews are summarized in the table below.

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
1.	K.	Özgün Gül	HSE and Sustainability Manager	23/09/2025	Description of the project activity, Emission reductions calculations, Monitoring plan and monitoring arrangements, Environmental and social impacts Monitoring Equipment	İlayda ONARAN
2.	S.	Malik	Düzce Aksu HEPP Operation Manager			
3.	A.	Zeynep	Düzce Aksu HEPP Employee			
4.	G.	Hüseyin	HSE and Sustainability Manager			
5.	K.	İsmail	Taşlık Village Mukhtar	23/09/2025	Benefit of the project activity Complaints about project Contact details of the project proponents Tail Water Local Employment	İlayda ONARAN
6.	A.	Ahmet	Taşlık Village Stakeholder			

2.4 Site Visits

On 23/09/2025, RINA team performed onsite audit for Duzce Aksu Hydroelectric Power Plant. Project location is confirmed via google earth /24/ and monitoring equipment are verified through onsite visit and also PDD. During the documentation and onsite assessment of the project, there were no hindrance and all the equipment's and the systems were accessible. RINA assessed the implementation and operation of the proposed project activity, reviewed the information flows for generating, aggregating and reporting the monitoring parameters, interviewed key personnel of the plant to confirm the operational and data collection procedures, cross-checked between information provided in the monitoring report and data plant, checked the monitoring equipment, reviewed calculations and assumptions made in determining the GHG data and emission reductions, checked the 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 objective of this phase of the verification is to resolve any outstanding issues, which need to be clarified for RINA's positive conclusion on the monitoring report and emission reductions.

To guarantee transparency a verification protocol has been customized for the project. The protocol shows in a transparent manner the requirements, means of verification and the results from verifying the identified criteria. The verification protocol consists of three tables; the different columns in these tables are described in the figure below (see Figure 1).

A corrective action request (CAR) is raised if one of the following occurs:

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

A clarification request (CR) is raised if information is insufficient or not clear enough to determine whether the applicable VCS requirements, which refer to CDM rules, have been met.

During this monitoring period, 2 CRs and 3 CARs as shown in Appendix 3 are raised and closed.

Verification Protocol, Table 1 - Requirement checklist					
Checklist Question	**Ref.**	**MoV**	**Comments**	**Draft Conclusion**	**Final Conclusion**
Checklist questions organized in seven different sections.	Makes reference to documents where the answer to the checklist question or item is found.	Explain how conformance with the checklist question is investigated. Examples are document review (DR), interview or any other follow-up actions (I), cross checking (CC) with available information relating to projects, (N/A) means not applicable.	The discussion on how the conclusion is arrived at and the conclusion on the compliance with checklist question so far.	For CAR, CR and FAR see the definitions above.	OK is used if the information and evidence provided is adequate to demonstrate compliance with VCS requirements which refer to CDM rules.

Verification Protocol, Table 2: Resolution of Corrective Action Requests and Clarification			
Corrective action requests and/or clarification requests	**Reference to Table 1**	**Response by project participants**	**Verification Conclusion**
The CAR and/or CRs raised in table 1 are repeated here.	Reference to the checklist question number in Table 1 where the CAR or CR is explained.	The responses given by the project participants to address the CARs and/or CRs.	The verification team's assessment and final conclusion of the CARs and/or CRs.

Verification Protocol, Table 3 - Forward Action Requests		
Forward action request	**Reference to Table 1**	**Response by project participants Verification Conclusion**
The FAR raised in table 1 is repeated here.	Reference to the checklist question number in Table 1 where the FAR is explained.	Response by the project participants on how forward action request will be addressed.

2.5.1 Forward Action Requests

According to the previous verification /25/ and validation report /7/, no FAR is raised.

2.6 Eligibility for Validation Activities

The project activity is registered under VCS registration reference Number 2095 /11/; hence this section is not applicable.

3 VALIDATION FINDINGS

In the registered VCS PD for "Duzce Aksu Hydro Electricity Power Plant" in Türkiye, version 2.03 of 19/04/2016 /1/, the project activity has a total installed capacity of 48.304 MWm/46.2 MWe as confirmed through the revised generation license /13/. In the registered PD, electricity generation expected as 141,370 MWh according to generation license/13/.

The additionality of the project activity is demonstrated by applying investment analysis registered VCS PD /1/. The project was validated by RINA on 21/04/2016 /7/ and it was registered under the VCS registration reference N° 2095.

3.1 Methodology Deviations

There is no methodology deviations applied during this monitoring period.

3.2 Project Description Deviations

Bereket Energy was the majority shareholder of Düzce Aksu Üretim A.Ş. In line with a company policy change, Bereket dissolved all sister companies holding generation licenses (including Düzce Aksu HPP) and transferred ownership to Aydem Yenilenebilir A.Ş. on 24/12/2019, as published in the Official Gazette (registration no. 13798).

The project activity is implemented in accordance with the scenario described in the Project Design Document (PDD). Following the issuance of the Market Operating License to EPİAŞ on 01/09/2015, market operations were transferred from PMUM to EPİAŞ.

As per Annex-3, Article 3.3 of the Transmission System Usage Agreement dated 23/03/2020 between TEİAŞ and the Project Proponent, energy meters are required to be tested every two years. This requirement applies from the replacement date of the new meters, i.e., 13/06/2021.

The reservoir surface area was reported as 708,202 m^2 in PD version 2.03 and MR version 1.03. This was identified as a typographical error due to the use of "," and ".". The correct value, as per the technical drawing in Appendix-3, is 708,282 m^2 (≈708.3 m^2). During the current monitoring period (01/09/2023 – 24/04/2024), the Project Proponent corrected this discrepancy, and the updated APJ was determined as 707 m^2, in line with the lake surface area map in Appendix-2 of the MR.

3.3 New Project Activity Instances in Grouped Projects

This project is not a grouped project. Hence, this section is not applicable.

3.4 Baseline Reassessment

Did the project undergo baseline reassessment during the monitoring period?

☐ Yes ☒ No

4 VERIFICATION FINDINGS

4.1 Project Details

It was verified during the site visit conducted on 23/09/2025 that the proposed project activity has been implemented and it is in operation in accordance with the project activity described in the registered VCS PD /1/.

The carbon crediting period and therefore the monitoring starts when the plant commences electricity generation. Therefore, the first crediting period was from 25/04/2014 - 24/04/2024 and will be renewed twice of renewable crediting period of 10 years.

Düzce-Aksu HEPP is a run-off river reservoir located in Gölyaka Town of Düzce Province in Türkiye. The closest settlement to the project site is Taşlı Village which is about 1 km away of the project site.

The project activity has the total installed capacity of 48.304 MWm /46.2 MWe (2 x 24.152 MWm/23.10 MWe) as confirmed through the revised generation license /13/. The project boundary in the registered VCS PD /1/ is in line with the actual project boundary. The generated electricity is fed to the national grid. The generated electricity is transmitted to the National Electricity System. The geographic coordinates of the project activity are confirmed through the registered PDD /1/.

There are not any material discrepancies between project implementation and the project description. It is verified that actual monitoring systems and procedures are in compliance with the monitoring systems and procedures described in the monitoring plan. The project activity is not participated or rejected under other GHG Programs as confirmed through the websites of the standard. No GHG related environmental credits are applied to the Türkiye power sector.

The GHG benefit of the project activity was only accounted under VCS. There are not any other RECs were being issued for the project activity. Furthermore, as a host country in Türkiye such any programme like a government-regulated system or programme for the constraint and monetisation of GHG emissions (such as emissions trading scheme, cap and trade or carbon tax mechanisms) has not been implemented.

There are no material discrepancies between the actual monitoring system and plan. The project contributes to SDG 7 by generating electricity from clean energy. The project also greatly supports sustainable economic development in the region. In accordance with SDG 8, employment was created during the construction and operation phases of the power plant. Compared to the business-as-usual scenario, which is considered a contribution to SDG 13, it has a significant contribution to reducing carbon emissions and protecting the climate. Therefore, the project has positive effects on sustainable development.

<table>
<tr><th>Item</th><th>Evidence gathering activities, evidence checked, and assessment conclusion:</th></tr>
<tr><td>Audit history</td><td>
<table>
<tr><th>Audit type</th><th>Period</th><th>Program</th><th>Validation/ verification body name</th><th>Number of years</th></tr>
<tr><td>Validation</td><td>25-April-2014 – 24-April-2024 (1st crediting period)</td><td>VCS</td><td>RINA Services S.p.A (RINA)</td><td>Ten years</td></tr>
<tr><td>1st Verification</td><td>25-April-2014– 30-September-2020 (1st monitoring period)</td><td>VCS</td><td>KBS Certification Services Pvt. Ltd.</td><td>Six years</td></tr>
<tr><td>2nd Verification</td><td>01-October-2020 – 31-December-2021 (2nd monitoring period)</td><td>VCS</td><td>Carbon Check</td><td>~1.5 years (14 months)</td></tr>
<tr><td>3rd Verification</td><td>01-January-2022 – 31-August-2023 (3rd monitoring period)</td><td>VCS</td><td>Re-carbon</td><td>~2 years (20 months)</td></tr>
<tr><td>4th Verification</td><td>01-September-2023 – 24-April-2024 (4th monitoring period)</td><td>VCS</td><td>RINA Services S.p.A (RINA)</td><td>~1 year (8 months)</td></tr>
</table>
</td></tr>
<tr><td>Double counting and participation under other GHG programs</td><td>• No double accounting
• No other VER programs
• The project has not been rejected by another GHG programs</td></tr>
<tr><td>No double claiming with emissions trading programs or binding emission limits</td><td>No</td></tr>
<tr><td>No double claiming with other forms of environmental credit</td><td>No</td></tr>
<tr><td>Supply chain (scope 3) emissions double claiming</td><td>The project activities doesn’t affect the emissions footprint of any product(s) (goods or services) that are part of a supply chain.</td></tr>
<tr><td>Sustainable development contributions</td><td>The project produces electricity from renewable energy sources using hydro as the power source and to contribute to Türkiye’s growing electricity demand through a sustainable and low carbon technology.</td></tr>
</table>

	The project displaces the same amount of electricity generated by the grid dominated with fossil fired power plants. The project contributes to the Sustainable Development Goal, Climate Action. During this monitoring period, the actualized emission reduction is 37,609 tCO_2e. The project contributes improving the environmental situation in the region and in the country as avoiding fossil fuel-based electricity will enhance the air quality and help to reduce the negative effects on the climate. Through renewable technologies and hydro-based electricity sustainable and climate friendly development is promoted. The project contributes to the Sustainable Development Goal, Affordable and Clean Energy. During this monitoring period, the actualized net electricity generation is 70,539.15 MWh. During construction and operational period, the project has created employment opportunities for the local community. The project contributes the economic development of the region by providing sustainable energy resources. The project provides workers with a safe and healthy work environment and is not complicit in exposing workers to unsafe or unhealthy work environments. The project contributes to the Sustainable Development Goal, Decent Work and Economic Growth. Employment opportunities were provided for 15 personnel during the operation phase of the project.
Additional information relevant to the project	• No leakage • No commercially sensitive information • No further information.

4.2 Safeguards and Stakeholder Engagement

4.2.1 Stakeholder Identification

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Stakeholder identification	The local residents of the nearby, affected village, i.e. Taşlık village, Gölyaka town, Düzce, Türkiye.
Legal or customary tenure/access rights	For property rights, the project site has acquired property rights in line with the existing legislation and implemented the project. No issues were or are raised due to property rights to territories and resources held by stakeholders, Indigenous People, local communities, and customary rights. No Indigenous People were identified.
Stakeholder diversity and changes over time	The stakeholders have different levels of education and skills, and income levels may vary. The project has a positive impact on the economy of the stakeholders since it has created employment for the

	local people. However there no impact on the social, and cultural diversity within stakeholder groups.
Expected changes in well-being	There are no expected changes in well-being and other stakeholder characteristics under the baseline scenario. There are no expected changes to ecosystem services either.
Location of stakeholders	The stakeholders are the residents of the local villages nearby. The closest village is Taşlık village, which is approximately 1 km away from the project site.
Location of resources	The local village nearby which is Taşlık village.

4.2.2 Stakeholder Consultation and Ongoing Communication

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Ongoing consultation	A logbook is available for local stakeholders to provide comments. In addition, the Grievance Mechanism allows stakeholders to submit requests and complaints directly to the project owner. The logbook, along with the contact details of the designated representative from the project owner's company, is kept at the village head's office. This ensures that local stakeholders can easily share their concerns, suggestions, or ideas about the project at any time.
Date(s) of stakeholder consultation	Site visit was conducted on 23 September 2025.
Communication of monitored results	Photos of the logbook has been taken. A declaration from the village head is also obtained. The logbook is still maintained at the village head's office.
Consultation records	Photos and declaration
Stakeholder input	Stakeholder input

4.2.3 Free, Prior, and Informed Consent

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Consent	The local villagers were invited to the meeting.
Outcome of FPIC discussion	The local villagers gave consent.

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	No negative inputs have been received during this monitoring period.
Grievance redress procedure	The grievance mechanism is in place, and this was also confirmed by the interviewed local villagers and Taşlık Village Mukhtar and stakeholder during the site visit of the last verification. In addition, the contact information of the plant responsible is available in Mukhtars; any complaints or requests can be forwarded to the Project Owner.

4.2.5 Public Comments

Comments received	Actions taken by the project proponent	Evidence gathering activities, evidence checked, and assessment conclusion
No comments were received.	If there are any comments, the stakeholders can write it down in the logbook or talk to the village head and immediate action will be taken.	NA

4.2.6 Risks to Local Stakeholders and the Environment

4.2.6.1 Management Experience

The management team has experience in identifying risks to stakeholders and the environment since the project start date. The project owner periodically provides necessary trainings to employees. The records of the trainings have been provided to VVB.

4.2.6.2 Risk Assessment

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Natural and human induced risks to stakeholders' wellbeing	There are no risks that would affect the local people, only on the project site training and safety precautions are given.
Risks to stakeholder participation	Stakeholder consultation process was conducted. No risk is determined.
Working conditions	The Project avoids community exposure to increased health risks and does not adversely affect the health of the workers and the community. Voluntary and mandatory trainings and courses about health and safety of employees has been providing. Child labor as defined in the ILO Minimum Age Convention is not permitted. The Project Developer ensures that there is no forced labor, and that all employment complies with national occupational and occupational health and safety laws, obligations under international law, and the principles and standards and essential conventions of the International Labor Organization (ILO). No risk is determined.
Safety of women and girls	The project does not endanger the safety of girls and women. No risk is determined.
Safety of minority and marginalized groups, including children	The project does not jeopardize the safety of minorities and isolated groups, including children. No risk is determined.

Pollutants (air, noise, discharges to water, generation and release of hazardous materials and chemical pesticides and fertilizers	The project activity is operated in line with Environmental Law and related regulations. Water Pollution Control Regulation, Hazardous Wastes Control Regulation, Industrial Air Pollution Control Regulation. EIA Not Required Certificate" was received from the Ministry of Environment and Urbanization on 16/07/2007. No risk is determined.

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	The project does not involve in any form discrimination in any kind of form.
Sexual harassment	The project respects the employees' freedom of association and their right to collective bargaining and is not complicit in restrictions of these freedoms and rights. The project does not involve and is not complicit in any form of discrimination based on gender, race, religion, sexual orientation or any other basis.
Gender equity in labor and work	The project does not reduce access to or control of resources for women. The project does not involve in any form discrimination in any kind of form. The project respects the employees' freedom of association and their right to collective bargaining and is not complicit in restrictions of these freedoms and rights. The project does not involve and is not complicit in any form of discrimination based on gender, race, religion, sexual orientation or any other basis.
Forced labor	The Project Developer ensures that there is no forced labour, and that all employment is in compliance with national labour and occupational health and safety laws, with obligations under international law, and consistency with the principles and standards embodied in the International Labour Organization (ILO) fundamental conventions.
Child labor	Child labour, as defined by the ILO Minimum Age Convention, is not allowed.

Human trafficking	Turkey is a party to European Convention on Human Rights since 10 Mar 1954.

4.2.7.2 Human Rights

Risks identified	Evidence gathering activities, evidence checked, and assessment conclusion
No risk identified	Türkiye is a party to European Convention on Human Rights since 10 Mar 1954

4.2.7.3 Indigenous Peoples and Cultural Heritage

Risks identified	Evidence gathering activities, evidence checked, and assessment conclusion
No risk identified	According to the joint project description and monitoring report, the project does not have any impact on indigenous people or cultural heritage. In fact, the project provides permanent job opportunities to local people.

4.2.7.4 Property Rights

Risks identified	Evidence gathering activities, evidence checked, and assessment conclusion
Rights to territories and resources	There are no legal or customary tenure/access rights to territories, property, and resources, including collective and/or conflicting rights, held by stakeholders.

4.2.7.5 Benefit Sharing

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Summary of the benefit sharing plan	Not applicable
Benefit sharing during the monitoring period	Not applicable

4.2.8 Ecosystem Health

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Impacts on biodiversity and ecosystems	The Project does not physically affect or alter largely intact or High Conservation Value (HCV) ecosystems, critical habitats, landscapes, key biodiversity areas or sites identified. Regarding the monitoring of "Water quality and quantity", "Biodiversity and aquatic life", streamgage gauging station is built for the measurement of flow to assess the environmental flow. General directorate for state hydraulic works executes the monitoring as seen onsite visit and the Project complies with the regulations.
Soil degradation and soil erosion	The project is operated under Soil Pollution Control Regulation.
Water consumption and stress	Wastewater is collected through the septic tank and is transferred through the sewage truck.
Usage of fertilizers	Not related to the project activity.

4.2.8.1 Rare, Threatened, and Endangered species

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Species or habitat	EIA Not Required decision /19/ is provided. The project has not impact habitats for rare, threatened, or endangered species.
Areas needed for habitat connectivity	No habitats for rare, threatened, or endangered species were identified.

4.2.8.2 Introduction of Species

Species introduced	Evidence gathering activities, evidence checked, and assessment conclusion
N/A	This project does not involve planting or species introduction
Existing invasive species	**Evidence gathering activities, evidence checked, and assessment conclusion**
N/A	This project does not involve planting or species introduction

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

The emission reduction calculations provided in the spreadsheet /8/ have been verified to be correct and in line with the registered VCS PD /1/. According to the applied methodology "ACM0002", "Consolidated baseline methodology for grid-connected electricity from renewable sources", version 16.0 /6/, the emission reductions have been calculated based on the following formula:

ERy = BEy – PEy – LEy

Where:
BEy = Baseline emissions in year y (tCO2e/yr)
PEy = Project emissions in year y (tCO2e/yr)
LEy = Leakage emissions in year y (tCO2e/yr)

Baseline emissions

The baseline emissions include the CO_2 emissions from electricity generation in fossil fuel fired power plants that are displaced due to the project activity, multiplying the electricity supplied to the grid (MWh) with the combined margin CO_2 emission factor for grid connected power generation in year.

$BEy = (EG_{PJ,y}) \times EF_{grid,CM,y}$

Where:

BEy = Baseline emissions in year y (tCO_2/yr).

$EG_{PJ,y}$ = 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)

EFgrid,CM,y = Combined margin CO_2 emission factor for grid connected power generation in year y calculated using the latest version of the "Tool to calculate the emission factor for an electricity system (v7)".

Project emissions

Since the project activity is a hydro-power project project emission to be zero. as per the ACM0002 version 16.0 /6/ as defined in the registered VCS PD for "Duzce Aksu Hydro Electricity Power Plant" /1/ and validation report /7/.

Leakage emissions

The leakage emissions are assumed to be zero as per the ACM0002 version 16.0 /6/ as defined in the registered VCS PD /1/. The data presented in the monitoring report /2/ were assessed by reviewing in detail project documentation, collection of monitored data, observation of established monitoring and reporting practices and assessment of the reliability of monitoring equipment. Sufficient evidence was presented and verified by RINA for the reported emission reductions.

Parameters Available at Validation and Data Fixed Ex-ante

DATA/PARAMETER	Source of data	Reported value for the project period	Assessment/Observation
FCi,y Amount of fuel type i consumed in the project electricity system in year y	TEIAS (Turkish Electricity Transmission Company) www.teais.gov.tr. Fuels consumed in thermal power plants in Turkey by the electricity utilities (2009, 2010,2011)	Annex 2-Table-1 in PD	Official publications have been chosen to determine the data. Therefore, it is not requested to monitor FCi,y during the crediting period.
NCVi,y Net calorific value (energy content) of fuel type i in year y	Calculated based on TEIAS (Turkish Electricity Transmission Company) www.teias.gov.tr.Heating values of fuels consumed in thermal plants in Turkey by the electricity utilities (2009, 2010,2011)	Annex-2-Table-5 in PD	Official publications have been chosen to determine the data. Therefore, it is not requested to monitor NCVi,y during the crediting period.
EFCO2,i,y CO2 emission factor of fossil fuel type i used in power unit m in year y	IPCC default values at the lower limit of the uncertainty at a 95 % confidence interval as provided in Table 1.4 of Chapter 1 of Volume 2 (Energy) of the 2006 IPCC Guidelines for National Greenhouse Gas Inventory https://www.ipcc	Annex 2-Table-2 in PD	IPCC default values have been chosen to determine the data. Therefore, it is not requested to monitor EFCO2,i,y during the crediting period.
EGm,y Net electricity generated and delivered to the grid by power unit m in year y	TEIAS (Turkish Electricity Transmission Company) www.teis.gov.tr. Generation units put into operation in, 2011, 2012.	Please see Appendix-2-Table 8 in the validated PD version 2.03	Official publications have been chosen to determine the data. Therefore, it is not requested to monitor EGm,y during the crediting period.
ηm,y Average net energy conversion efficiency of power unit m or k in year y	"Tool to calculate the emission factor for an electricity system" version 05.0.0	Annex 1 of the "Tool to calculate emission factor for an electricity sector (Version 05.0.0)"	Tool 07 (version 05.0.0) has been chosen to determine the data. Therefore, it is not requested to monitor ηm,y during the crediting period.

EFgrid,CM,y Baseline emission factor (for the first crediting period)	TEIAS statistics	0.5332 tCO_2/MWh	According to the approved methodology ACM0002 version 16.0, the combined emission factor has been determined using the ex-ante option and so it is not requested to monitor and recalculate the emission factors during the crediting period. The emission factor is determined to be 0.5332 tCO2/MWh in the VCS PD /1/ and validation report /7/.

Data and parameters to be monitored

<table>
<tr><td>DATA/PARAMETER</td><td>EGy</td></tr>
<tr><td>Data Unit</td><td>MWh/y</td></tr>
<tr><td>Description</td><td>Quantity of electricity produced by the power plant , in y</td></tr>
<tr><td>Source of data</td><td>EPIAS Records Monthly Meter Reading (OSOS) Forms and secondary source of data is TEIAS meter readings for cross check.</td></tr>
<tr><td>Description of measurement methods and procedures to be applied</td><td>The electricity generation figures are based on the EPIAS records /14/ and the OSOS Records /15/ are used for crosscheck.</td></tr>
<tr><td>Frequency of monitoring/recording</td><td>Continuous monitoring and monthly recording</td></tr>
<tr><td>Value monitored</td><td>
<table>
<tr><th>Period</th><th>MWh</th></tr>
<tr><td>01/09/2023-31/12/2023</td><td>28,333.68</td></tr>
<tr><td>01/01/2024-24/04/2024</td><td>42,205.47</td></tr>
<tr><td>Total</td><td>70,539.15</td></tr>
</table>
</td></tr>
<tr><td>Monitoring equipment</td><td>Electricity meters (one main meter and one backup meter) are installed at the project site. Meter properties have been defined below as confirmed through first index protocol of the electricity meters /12/. The accuracy class of the meters complies with the “Communiqué for Measurement Devices used in the Electricity Market” /17/.

<u>Unit-1</u>
<table>
<tr><th>Specifications</th><th>Main meter</th><th>Spare Meter</th></tr>
<tr><td>Manufacturer:</td><td>EMH</td><td>EMH</td></tr>
<tr><td>Serial No:</td><td>10172379</td><td>10172380</td></tr>
<tr><td>Accuracy Class:</td><td>0.2-0.5S (Active-Reactive)</td><td>0.2-0.5S (Active-Reactive)</td></tr>
<tr><td>First Index Protocol Date</td><td>13/06/2021</td><td>13/06/2021</td></tr>
<tr><td>Test date</td><td>29/09/2023</td><td>29/09/2023</td></tr>
</table>
</td></tr>
<tr><td>QA/QC procedures to be applied</td><td>TEIAS is responsible for calibration and maintenance of the meters as per the registered VCS PD /1/. The project owner has no control on the meters since the meters are sealed by the TEIAS as confirmed during the site visit. If any major discrepancy occurs between the two meters, TEIAS performs necessary calibration. Calibration and test dates have been shared below as confirmed through the meter first index protocol /12/. As per the “'Regulation of Metering and Testing of Metering Systems” /16/, the meters shall be calibrated every 10 years, therefore the calibration of meters is deemed appropriate and in compliance with the national regulation. During on-site assessment, it was confirmed that the meters are in place and functions well. During the monitoring period, no brake down has been recorded. According to system usage agreement test period is defined as two years and test dates have been shared below.</td></tr>
<tr><td>Purpose of the data</td><td>To calculate the baseline emission value</td></tr>
</table>

Calculation method	The electricity generation and consumption are measured in line with the TEIAS rules and requirements. The electricity generation supplied to the grid and electricity consumption from the grid is stored by EPIAS on the web site. The Project owner has an ID and password to access this data on the web site. The collected data during the monitoring period will be kept by the project owner at least two years after end of the last crediting period as stated in the registered VCS PD /1/ and monitoring report /2/ in line with the ACM0002 /6/.
Comments	-

DATA/PARAMETER	**Cap_{PJ}**
Data Unit	W
Description	Installed capacity of the hydro power plant after the implementation of the project activity
Source of data	Project Site
Description of measurement methods and procedures to be applied	Observed via the SCADA system of the Project Activity
Frequency of monitoring/recording	Once for each monitoring period
Value monitored	46,200,000
Monitoring equipment	SCADA system of the Project Activity
QA/QC procedures to be applied	Can be confirmed also by the parameter readings on the design plates of each turbine and by summing the two units.
Purpose of the data	To calculate power density of the project activity
Calculation method	-
Comments	N/A

DATA/PARAMETER	A_{PJ}
Data Unit	m^2
Description	Area of the single or multiple reservoirs measured in the surface of the water, after the implementation of the project activity, when the reservoir is full
Source of data to be used	Project Site
Value data for the monitoring period	707 m^2
Measuring and reporting frequency; recording procedure	Measured from topographical surveys, maps, satellite pictures.
Type of monitoring equipment and its accuracy	The parameter is monitored through the On site observation, maps and photos; therefore, measurement equipment is not used.
Calibration frequency/interval	NA
How were the values in the monitoring report verified and cross-checked?	The reservoir area corresponding to maximum operational level has been determined via the topographic map showing the lake area, presented in Annex 5 of the registered PD.
Does the data management (from monitoring equipment to emission reduction calculation) ensure correct transfer of data and reporting of emission reductions?	NA
If only partial data are available because activity levels or non-activity parameters have not been monitored in accordance with the registered monitoring plan, has the most conservative assumption theoretically possible been applied or has a request for deviation been approved?	All the data were available for the whole monitoring period.

4.4 Quality of Evidence to Determine Reductions and Removals

Main meter 10172379 and backup meter 10172380 were installed at the project site on 13-June-2021. The meters have the accuracy of 0.2S-0.5S (Active-Reactive) as confirmed through the first index protocol of the electricity meters /12/. The accuracy class of the meters complies with the "Communiqué for Measurement Devices used in the Electricity Market" /17/.

TEIAS is responsible for calibration and maintenance of the meters as per the registered VCS PD /1/. The project owner has no control on the meters since the meters are sealed by the TEIAS as confirmed during the site visit. If any major discrepancy occurs between the two meters, TEIAS performs necessary calibration. The new meters were calibrated in 2021 (factory level and tested on site) as confirmed through the meter first index protocols /16/. As per the "'Regulation of Metering and Testing of Metering Systems" /20/, the meters shall be calibrated every 10 years, therefore the calibration of meters is deemed appropriate and in compliance with the national regulation. During on-site assessment, it was confirmed that the meters are in place and function well. During the monitoring period, no breakdown had been recorded. During this monitoring period new metering tests were performed on 29-September-2023 /23/ test period is defined as two years and can be change according to availability of TEAİS person.

The electricity generation figures are based on the EPIAS records /14/ and the Monthly Meter Readings /15/ are used for crosscheck from 01/09/2023–24/04/2024. The records and emission reduction calculation spreads sheet /8/ are consistent.

RINA confirmed that quantity, and appropriateness of quality, of the evidence used to determine the GHG reductions and removals are found sufficient.

4.5 Non-Permanence Risk Analysis

There is no non-permanence risk rating determined by the project proponent.

5 VERIFICATION OPINION

5.1 Verification Summary

RINA has performed the verification of the updated VCS-MR Version 06 of 22/10/2025 for the project activity "Duzce Aksu Hydro Electricity Power Plant". The verification is performed for the 1st crediting period (from 25/04/2014 - 24/04/2024). The project complies with the certification criteria for projects set out in the VCS Standard version 4.7, VCS Program Guide version 4.4 requirements /3/ /4/. The project activity is likely to achieve estimated GHG emission reduction or removals. RINA also declares that GHG statement was conducted in accordance with ISO 14064-3:2019.

RINA Services Spa (RINA) has performed verification of the emission reductions reported for the project activity "Duzce Aksu Hydro Electricity Power Plant" in Türkiye, VCS Registration Reference N° 2095, for the period 01/09/2023–24/04/2024, with regard to the relevant requirements for CDM and VCS activities.

It is RINA's opinion that the GHG emission reductions stated in the Monitoring Report for the "Duzce Aksu Hydro Electricity Power Plant, in Türkiye for the period 01/09/2023–24/04/2024 are fairly stated. The GHG emission reductions were calculated correctly on the basis of the approved monitoring methodology "ACM0002", "Consolidated methodology for grid connected electricity generation", version 16.0 and the monitoring plan contained in the registered VCS PD.

The project has been verified to comply with the validation criteria for the projects and the greenhouse gas emission reductions or removals specified in VCS Standard version, VCS Program Guide version 4.4 requirements. It is also confirmed that the level of assurance of this verification report is reasonable.

Generated net electricity achieved during this monitoring period is 70,539.15 MWh. Hence, RINA is able to certify that the emission reductions from the project during the monitoring period 01/09/2023–24/04/2024 amount to 37,609 tCO_2e.

Verification period: From 01/09/2023–24/04/2024 (for the first crediting period). Verified GHG emission reductions and removals in the above verification period.

5.2 Verification Conclusion

Verification period: From [01-09-2023] to [24-04-2024]

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

Vintage period	Baseline emissions (tCO_2e)	Project emissions (tCO_2e)	Leakage emissions (tCO_2e)	Reduction VCUs (tCO_2e)	Removal VCUs (tCO_2e)	Total VCUs (tCO_2e)
01/09/2023-31/12/2023	15,106	0	0	15,106	0	15,106
01/01/2024-24/04/2024	22,503	0	0	22,503	0	22,503
Total	37,609	0	0	37,609	0	37,609

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
01/09/2023-31/12/2023	25,196	15,106	-40.0%	The achieved emission reductions during the monitoring period were 23.2% lower than the ex-ante estimates. Variations in amount of precipitation and temperature directly impact the electricity generation potential.
01/01/2024-24/04/2024	23,751	22,503	-5.3%	
Total	48,947	37,609	-23.2%	

The emission reductions from the project for the monitoring period as reported in the monitoring report Version 06 of 22/10/2025 is equivalent to 37,609 tCO_2. The reported emission reductions are less (23.2%) than the estimated emission reduction of 48,947 tCO_2 for the period as per the registered PDD due to weather conditions.

APPENDIX 1: COMMERCIALLY SENSITIVE INFORMATION

Section	*Information*	*Justification*	*Assessment method and conclusion*
There is no commercially sensitive information.	There is no commercially sensitive information.	There is no commercially sensitive information.	There is no commercially sensitive information.

APPENDIX 2: SUPPORTING DOCUMENTS

/1/	VCS PD for "*Duzce Aksu Hydro Electricity Power Plant, in Türkiye*", *version 2.03 of 19/04/2016* – Turkuaz Karbon Varlık Yönetimi Enerji Proje ve Dan. San. İth. İhr. Ltd. Şti.
/2/	GTE Karbon Sürdürülebilir Enerji Eğt. Dan. ve Tic. A.Ş.: Monitoring report for "Duzce Aksu Hydro Electricity Power Plant, Turkey", 06 of 22/10/2025
/3/	VCS Verified Carbon Standard: VCS Program Guide, VCS Version 4.4 of 29/08/2023
/4/	VCS Verified Carbon Standard: VCS Standard, VCS Version 4.7 of 16/04/2024
/5/	CDM Executive Board: CDM validation and verification standard for project activities, version 03.0 of 09/09/2021
/6/	CDM Executive Board: Baseline and monitoring methodology "ACM0002", "Consolidated methodology for grid connected electricity generation", version 16.0 of 28/11/2014
/7/	RINA Validation Report for "Duzce Aksu Hydro Electricity Power Plant", version 1.2Aa on 21/04/2016
/8/	GTE Karbon Sürdürülebilir Enerji Eğt. Dan. ve Tic. A.Ş.: Emission Reduction Calculation Spreadsheet "Final_ER calculations_2095 Duzce-Aksu Hydro_ v2_06-10-2025" Version 02 of 06/10/2025
/9/	VCS Verified Carbon Standard: VCS Verification Report Template 4.4 of 16/04/2024
/10/	CDM Executive Board: Methodological Tool "Tool to calculate the emission factor for an electricity system", version 7.0.0 of 31/08/2018
/11/	Website: https://registry.verra.org/app/projectDetail/VCS/2095 Argument: Verra Database Language: English; Retrieved on: 20/10/2025
/12/	Turkish Electricity Transmission Company (TEIAS): First Index Protocol of the Electricity Meters of 13-June-2021
/13/	Energy Market Regulatory Authority: Generation License, No: EÜ/8909-3/04348, date of 24/10/2019
/14/	EPIAS: Monthly Meter Reading Protocols for the monitoring period
/15/	OSOS: Monthly Meter Reading Protocols for the monitoring period
/16/	The Turkish Ministry of Trade and Industry: Regulation of Metering and Testing of Metering Systems of 24/07/1994
/17/	Turkish Energy Market Regulatory Authority: Communiqué for Measurement Devices used in the Electricity Market of 22/03/2003
/18/	The Energy Market Regulatory Authority: Electricity Market Balancing and Settlement Regulation of 14/04/2009
/19/	TEİAŞ Energy Test report of the Electricity Meters of 29/09/2023
/20/	Ministry of Environment and Forestry: EIA not required decision, dated on 16/07/2007
/21/	Re-carbon: Previous Verification Report, version 02 of 16/02/2024

APPENDIX 3: CLARIFICATION REQUESTS, CORRECTIVE ACTION REQUESTS AND FORWARD ACTION REQUESTS

Table 1. Remaining FAR from previous validation

FAR ID		**Section no.**		**Date:**
Description of FAR				
Project participant response				**Date:**
Documentation provided by project participant				
VVB assessment				**Date:**

Table 2. CR from this validation

CR ID	1	**Section no.**		**Date:** 17/09/2025
Description of CR				
1. Please share electricity meter's first index protocol and test reports. 2. Please share latest registered PD and verification report.				
Project participant response				**Date:**
1. The electricity meter documents have been shared. 2. The latest registered PD and verification report.				
Documentation provided by project participant				
"Electricity Meters", "2095_VCS PD_Version 2.03.pdf", "2095- Final_Ver Report_1118 Duzce-Aksu Hydro_Khalid Mahmood_v02_16-02-2024.pdf"				
VVB assessment				**Date:** 23/09/2025
Please include latest test date of electricity meter in the MR.				
Project participant response				**Date:**
The latest test date has been included to the MR.				
Documentation provided by project participant				
VVB assessment				**Date:** 16/10/2025
Closed				

CR ID	2	**Section no.**		**Date:** 17/09/2025
Description of CR				
1. In generation license, TM mentioned as Osmanca tm. Please explain why it is written as Hendek-Osmanca TM and revise accordingly.				
Project participant response				**Date:**
1. The name of the TM has been revised as in the generation license.				
Documentation provided by project participant				
VVB assessment				**Date:** 22/09/2025
Closed.				

Table 3. CAR from this validation

CAR ID	1	**Section no.**		**Date:** 17/09/2025
Description of CAR				
1. Please use latest version of VCS Standard. 2. Please be consistent with the font used in the report. 3. Please remove empty tables.				
Project participant response				**Date:**
1. The latest version of the VCS Standard has been used. 2. The font is consistent. 3. The empty tables have been removed.				
Documentation provided by project participant				
VVB assessment				**Date:** 22/09/2025
Closed				

CAR ID	2	**Section no.**		**Date:** 17/09/2025
Description of CAR				
1. Electricity generation amount should be consistent in the MR and the excel sheet. Please revise accordingly. 2. Generation data belonging to April 2024 should be demonstrated separately. Each day's production should be demonstrated, and PD shall explain in the MR how that month's production calculated.				
Project participant response				**Date:**
1. The electricity generation amount is consistent in the MR and ER. 2. The generation data is kept and provided monthly by EPIAS, and it is demonstrated by proportioning. This information has been included to the MR (Section 3.2.2).				
Documentation provided by project participant				
VVB assessment				**Date:** 23/09/2025
1. Electricity generation was mentioned as 69,477.80 MWh in the MR however it is seen as 69,477 MWh in the excel sheet. Please revise numbering in the excel sheet for electricity generation final result. **2.** April 2024 electricity generation and emission reduction should be shown in a different excel sheet daily. And detailed information about how daily calculations is done shall be mentioned in the MR. Daily calculations cannot be made by dividing total amount of days and multiplying operational days. It should be real amount that electricity produced during those days. Please revise total electricity generation and emission reduction accordingly. **Calculation provided under 3.2.2 is not correct to use for April 2024. Please use real time data according to days and include explanation under section 4.3.**				
Project participant response				**Date:**
1. The electricity generation amount has been revised in the ER sheet, since the demonstration in MR is correct. The values now are in line with each other. 2. The daily electricity generation data has been provided and the calculations have been revised accordingly. The calculation provided under 3.2.2. has been removed.				
Documentation provided by project participant				
VVB assessment				**Date:** 16/10/2025
Closed.				

CAR ID	3	Section no.		Date: 16/10/2025
Description of CAR				
1. Please revise the results in represented table 5. 2. Please revise electricity meter serial numbers under parameters EGy. 3. The project is not a wind power project. Please revise section 5.4. 4. Please update the MR template with the latest version.				
Project participant response				**Date:**
1. The results in table 5 have been revised. 2. The electricity meter serial numbers have been revised. 3. The section 5.4 has been revised. 4. The MR version has been updated.				
Documentation provided by project participant				
VVB assessment				**Date:** 17/10/2025
Closed.				

Table 4. FAR from this validation

FAR ID		Section No.		Date:
Description of FAR				
Project participant response				**Date:**
Documentation provided by project participant				
DOE assessment				**Date:**

APPENDIX 4: COMPETENCE OF TEAM MEMBERS AND TECHNICAL REVIEWERS

CERTIFICATO DI QUALIFICA
QUALIFICATION CERTIFICATE

Si attesta che il sig./sig.ra: *We declare that Mr/Mrs/Ms:*	**Ilayda ONARAN**
è qualificato come[1]: *is qualified as:*	**VAL – VER – TL – TEC**
nello schema[2]: *for the scheme:*	**GS4GG – VCS**
per le seguenti aree tecniche: *for the following technical areas:*	**1.1 – 1.2 – 3.1 – 13.1 – 13.2**

AREE TECNICHE TECHNICAL AREAS	DESCRIZIONE DELL'AREA TECNICA *TECHNICAL AREA DESCRIPTION*	SCOPO SETTORIALE *SECTORAL SCOPE*
1.1	Thermal Energy Generation	1
1.2	Renewables	1
3.1	Energy Demand	3
13.1	Waste handling and disposal	13
13.2	Manure	13

in accordo alle istruzioni dell'Unità responsabile (OU) per sostenibilità & cambiamenti climatici.
in accordance with the instructions of the responsible unit (OU) for the sustainability & climate change.

REVISIONE *REVISION*	DATA *DATE*	MOTIVAZIONI PER LA REVISIONE *REASON FOR THE REVISION*
0	31/01/2025	First Issue
1	21/03/2025	TL Update
2	18/08/2025	Update qualification as TE- 1.2, 13.1, 13.2

Il Resp. OU
Head of OU

[1] **Legend:**
VAL: Validator
VER: Verifier
TEC: Technical Expert
TL: Team Leader
FIN-EXP: Financial Expert
REG-EXP : Regional Expert
ITR : Independent Reviewer
DET: Déterminer

[2] **Legend:**
CDM: Clean Development Mechanism
VCS: Verified Carbon Standard
GS4GG: Gold Standard for Global Goals
SCS: SocialCarbon Standard
JI: Joint Implementation
ISO14064-2 : International standard 14064 part 2

RINA Services S.p.A. è accreditato da UNFCCC, quale Entità Operativa Designata (DOE), per condurre la Validazione e la Verifica di Progetti CDM, da VCSA per condurre la Validazione e la Verifica di Progetti VCS, da GS Foundation, per condurre la Validazione e la Verifica di Progetti GS, da Ecologica Institute per condurre la Validazione e la Verifica di rapporti SCS

RINA Services S.p.A. is accredited by the UNFCCC, as Designated Operational Entity (DOE), to carry out Validation and Verification of CDM Projects, by the VCSA, to carry out Validation and Verification of VCS Projects, by the GS Foundation, to carry out Validation and Verification of GS4GG Projects and by the Ecologica Institute, to carry out Validation and Verification of SCS Reports

GHG_QUAL_CERT_EN(06-2021) Page 1 of 1

CERTIFICATO DI QUALIFICA
QUALIFICATION CERTIFICATE

Si attesta che il sig.: *We declare that Mr:*	**Mehmet ERDOGAN**
è qualificato come[1]: *is qualified as:*	**TL – VAL[4] – VER – TEC – REG-EXP[3] - ITR**
nello schema[2]: *for the scheme:*	**VCS – CCB – GS4GG**
per le seguenti aree tecniche: *for the following technical areas:*	**1.1 – 1.2 – 9.2 – 13.1 – 13.2**

AREE TECNICHE TECHNICAL AREAS	DESCRIZIONE DELL'AREA TECNICA *TECHNICAL AREA DESCRIPTION*	SCOPO SETTORIALE *SECTORAL SCOPE*
1.1	Thermal energy generation	1
1.2	Renewables	1
3.1	Energy demand	3
9.2	Iron, steel and Ferro-alloy production	9
13.1	Waste handling and disposal	13
13.2	Manure	13

in accordo alle istruzioni dell'Unità responsabile (OU) per sostenibilità & cambiamenti climatici.
in accordance with the instructions of the responsible unit (OU) for the sustainability & climate change.

REVISIONE *REVISION*	DATA *DATE*	MOTIVAZIONI PER LA REVISIONE *REASON FOR THE REVISION*
0	24.03.2023	First Issue
1	12/04/2023	GS4GG extension
2	24/07/2023	GS4GG VAL extension
3	10/12/2023	TEC SS3 extension
4	31/01/2024	ITR extension

Il Responsabile di schema
Scheme Manager

[1]

VAL:	Validator
VER:	Verifier
TEC:	Technical Expert
TL:	Team Leader
FIN-EXP:	Financial Expert
REG-EXP :	Regional Expert
ITR :	Independent Reviewer
DET:	Déterminer

[2]

CDM:	Clean Development Mechanism
VCS:	Verified Carbon Standard
GS4GG:	Gold Standard for Global Goals
SCS:	SocialCarbon Standard
JI:	Joint Implementation
ISO14064-2 :	International standard 14064 part 2
UER :	Upstream Emission Reduction
CCB :	The Climate, Community & Biodiversity Alliance

[3] Turkey

[4] For GS4GG only

Document information

Version	*Date*	*Description*
01.0	10/06/2016	Initial publication.