FINAL VERIFICATION REPORT

"ALAÇATI WIND POWER PROJECT, TURKEY"

Report ID	2023TQMD40
Project title	Alaçatı Wind Power Project, Turkey
Project ID	1437
Verification period	01/03/2021–29/02/2024.
Original date of issue	08/05/2024
Most recent date of issue	08/05/2024
Version	2.0Aa
VCS Standard Version	4.5

Client	Egenda Ege Enerji Üretim A.Ş.
Prepared by	RINA Services S.p.A.
Approved by	Giovanni D'Angelo (Authorized officer signing for the VVB) Sustainability & Food Certification Compliance Unit 
Work carried out by	Mehmet ERDOĞAN; VCS Team Leader, VCS Verifier, Technical Expert Hui Feng LIU; Independent Technical Reviewer

Summary:

RINA Services S.p.A. (RINA), commissioned by Egenda Ege Enerji Üretim A.Ş., has verified the greenhouse gas emission reductions reported for the project activity "Alaçatı Wind Power Project, Turkey" in Türkiye, VCS Registration Reference N° 1437, for the period 01/03/2021–29/02/2024 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 "Alaçatı Wind Power Project, Turkey" in Türkiye for the period 01/03/2021–29/02/2024.

Verification was conducted using RINA procedures in line with the requirements specified in the VCS Standard version 4.5 /5/, VCS Program Guide version 4.4 /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 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 4.5 /5/, VCS Program Guide version 4.4 /4/ requirements, which refer to CDM rules, in order to be certified.

In conclusion, it is RINA's opinion that the project activity "Alaçatı Wind Power Project, Turkey", in Türkiye, as described in the Monitoring Report version 0.3 of 04/10/2024, 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. Hence, RINA is able to certify that the emission reductions from the project during the monitoring period 01/03/2021–29/02/2024 amount to 87,145 tCO2e. During this monitoring period, 2 CARS and 2 CRs are raised and closed.

CONTENTS

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 "Alaçatı Wind Power Project, Turkey" in Türkiye for the period 01/03/2021–29/02/2024.

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 4.5, 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	ERDOĞAN	Mehmet	Türkiye
Independent Technical Reviewer	Hui Feng;	LIU	China

1.4 Summary Description of the Project

Egenda Ege Enerji Üretim A.Ş. *has commissioned RINA to carry out the verification and certification of emission reductions reported for the registered "Alaçatı* Wind Power Project, Turkey*" in* Türkiye, VCS Registration Reference N° 1437, for the period 01/03/2021–29/02/2024.

The project site is located about 5.8 km southeast of Çeşme Town of İzmir Province in Turkey. The closest settlement to the project site is Ilıca which is about 1.6 km away to the north of the wind farm and Reisdere Neighbourhood which is about 1.3 km away to the north of the plant. The project activity has the total installed capacity of 16 MWe (2 x 8 MWe) as confirmed through the 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/.

The GHG benefit of the project activity was only accounted under VCS. There are 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 of Türkiye.

Project Participant(s)	*Egenda Ege Enerji Üretim A.Ş.*		
Project Title	*Alaçatı Wind Power Project, Turkey*		
Location of the project	*About 5.8 km southeast of Çeşme Town of İzmir Province in Turkey.*		
Methodology(ies)	*"ACM0002", "Consolidated methodology for grid connected electricity generation", version 16.0 of 28/11/2014/6/*		
Sectoral Scope(s)	*1*	***RINA's Technical Area(s)***	*1.2*
Registered VCS PD	*Version* 0.1 of 24/02/2015		
VCS Registration Reference No	1437		
Starting date of the crediting period	03/06/2016		
Project's crediting period	03/06/2016 to 02/06/2026 (first Crediting period)		
Monitoring period	01/03/2021 - 29/02/2024 *(both days included)*		
Project documentation link	*https://registry.verra.org/app/projectDetail/VCS/1437*		

2 VERIFICATION PROCESS

The project was validated by Bureau Veritas Certification, version 0.1 on 02/03/2015 and it was registered under the VCS registration reference N° 1437 for the first crediting period. This is the second verification assessment of first CP for the monitoring period 01/03/2021–29/02/2024 by RINA.

2.1 Method and Criteria

Verification was conducted using RINA procedures in line with the requirements specified in the VCS Standard version 4.5, 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* 0.3 of 04/10/2024 and previous version /2/, the emission reduction calculations provided in the form of a spreadsheet, "*Sekans* Danismanlik*: Emission Reduction Calculation Spreadsheet "ER_Calculations_Alacati_WPP_v03_04_10_2024" version 0.3 of 04/10/2024* /8/, the approved baseline and monitoring methodology ACM0002 version 16.0 /6/ and all the documentation provided to support the monitoring period /01–23/ 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 of 01 02/03/2015 /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.

	Date	*Name and Role*	*Organization*	*Topic*
/1/	*14/02/2024*	*İlke KILIÇ Carbon Consultant*	*Sekans Danismanlik*	*Monitoring plan Monitoring methodology Monitoring data Implementation status of the project Monitoring equipment and operation Calibration certificates Emission Reductions calculation Positive and negative impacts of the project activity Contact details of the project proponents*
/2/		*İsmail KAYA Facility Op. Chief*	*Enda Energy*	
/3/		*Nurullah Birtan DEMİR WPP Tech.*	*Enda Energy*	
/4/		*İsmail TOKAT*	*Alaçatı Village Mukhtar*	

2.4 Site Visits

On 14/02/2024, RINA performed a site visit for the wind power plant located in Alaçatı Village İzmir Province of Türkiye. During the site visit for the project, it was confirmed that all the equipment 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 including calibration performance, 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 CARs and 2 CRs are raised and closed.

Figure 1 Verification protocol tables

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 e-mail sent by VCS /11/ and previous verification /21/ and validation Report /7/, no FAR is raised.

2.6 Eligibility for Validation Activities

The project activity is registered under VCS registration reference Number 1437 /11/; hence this section is not applicable.

3 VALIDATION FINDINGS

In the registered VCS PD for "*Alaçatı Wind Power Project, Turkey*" in *Türkiye*, version 0.1 of 24/02/2015 /1/, the project activity has a total installed capacity of 18 MWe as confirmed through the Generation License /13/. The average electricity generation is estimated as 49,822 MWh as per the registered VCS PD /1/. The additionality of the project activity is demonstrated by applying investment analysis registered VCS PD /1/.

The project was validated by *B.V* on 02/03/2015 /7/ and it was registered under the VCS registration reference N° 1437.

3.1 Methodology Deviations

There are no methodology deviations applied during this monitoring period.

3.2 Project Description Deviations

The first 10-year crediting period was planned as from 1st of June 2016 to 31st of May 2026 as in registered PD. But the project started its operation in 03/06/2016, since the project processes took more time than it was expected. Thus, the project start date is 03/06/2016. And the Project's crediting period is: 03/06/2016 – 02/06/2026, currently.
The Egenda Ege Enerji Üretim A.Ş. is the owner of the Project. Shareholder structure has been changed a few times. The latest structure change was on 20/05/2019 as the main shareholder Enda Enerji Holding A.S.
Other entity involved in the project was Lifeenerji Ltd. Şti. in the project description. However, it's been changed as Sekans Danışmanlık during the 1st Monitoring Period.

3.3 New Project Activity Instances in Grouped Projects

This project 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 14/02/2024 that the proposed project activity has been implemented and it is in operation in accordance to 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 03/06/2016-02/06/2026with two times renewable crediting period of 10 years.

The project site is located about 5.8 km southeast of Çeşme Town of İzmir Province in Turkey. The closest settlement to the project site is Ilıca which is about 1.6 km away to the north of the wind farm and Reisdere Neighbourhood which is about 1.3 km away to the north of the plant. The project activity has the total installed capacity of 16 MWe (2 x 8 MWe) as confirmed through the 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 /11/ /22/. 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>VVB name</th><th>Number of years</th></tr>
<tr><td>Validation</td><td>03/06/2016/ 02/06/2026</td><td>VCS</td><td>B.V Certification</td><td>Ten years</td></tr>
<tr><td>Verification</td><td>03-06-2016 / 28-02-2021</td><td>VCS</td><td>Re-carbon Ltd</td><td>5 years</td></tr>
<tr><td>Verification</td><td>01-03-2021 / 29-02-2024</td><td>VCS</td><td>Rina Services S.p.A</td><td>4 years</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 wind as the power source and to contribute to Türkiye’s growing electricity demand through a sustainable and low carbon technology. 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 87,145 tCO_2e.

The project contributes to improve 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 wind-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 149,403.86 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</td></tr>
</table>

	Economic Growth. Employment opportunities were provided for 8 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	Nearest residential areas and stakeholders are defined according to project Description Document according to present potential the environmental effects of project. According to local laws in Türkiye a project description document should be provided to the Ministry and Ministry decide if EIA is required or not. So EIA not required decision is examined with decision number 666 and date of 18/05/2009.
Legal or customary tenure/access rights	The project has all tenure and access rights.
Stakeholder diversity and changes over time	Most of the stakeholders are villagers from Alaçatı Village, İzmir province
Expected changes in well-being	*The Project has resulted in the creation of new jobs in the project region and improvement in local roads, contributing to living standards in the region. Moreover, the project owner has provided contribution in kind to the local community, although these activities are not required legally. As a result, the community is supporting the project, and they believe that it creates a momentum for local sustainable development.*
Location of stakeholders	*Alaçatı Village, İzmir- Türkiye.*
Location of resources	The project has all tenure and access rights.

4.2.2 Stakeholder Consultation and Ongoing Communication

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Stakeholder engagement process	08 -11-2012
Consultation outcome	According to the regulation declared by the Ministry of Environment and Forestry and published on the Official Gazette (dated 17th July 2008, numbered 26939), projects to hold Stakeholder Meetings (for EIA process). Therefore, during the registration of the project a stakeholder meeting was carried out on 08/11/2012. So, mukhtars of local villages have been interviewed and continuously informed about the Project for understanding the general perspective about the WPP. For the time being, it has been experienced that mukhtars and villagers of the region are the most cooperative about the exchange of information and opinions. For this monitoring period, local people were interviewed. It was learned that in general, the main form of communication between the local people and the project owner is face-to-face. They stated that in case of any problem, they can easily reach the responsible persons and convey their complaints. There are no complaints/compliance related to the project implementation during this monitoring period.
Ongoing communication	The contact information of the plant responsible exists at the Mukhtar, the project owner and local community are always in touch. The project owner regularly checks with the Mukhtar if any complaint or a request exists. Any complaint or need from the local community could directly be received by the project owner and appropriate contributions or improvements are made to the local community.
Stakeholder input	Generally, the stakeholders were pleased with the project. Since they have informed regarding the project at the first stakeholder consultation process, they have no negative comments on the project.

4.2.3 Free, Prior, and Informed Consent

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Consent	Relevant permits were obtained during the validation period.
Outcome of FPIC discussion	The project has not encroached on land, relocated people without consent, and forced physical or economic displacement.

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 Barbaros Village Mukhtar 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
The local villagers asked about employment possibilities.	Project owner gave priority to local villagers during construction and operation of the project for hiring employees.	The local villagers (employees) asked about employment possibilities.

4.2.6 Risks to Local Stakeholders and the Environment

Item	Evidence gathering activities, evidence checked, and assessment conclusion
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 of waste, release of hazardous materials)	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 29/05/2008. 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 and sexual harassment	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.
Management experience	No new organization was involved in the project design and implementation
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.
Human trafficking, forced labor, and child labor	Child labour, as defined by the ILO Minimum Age Convention, is not allowed. 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. Turkey is a party to European Convention on Human Rights since 18-May-1954.

4.2.7.2 Human Rights

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Human rights	Türkiye is a party to European Convention on Human Rights since 18 May 1954. The project owner respects internationally proclaimed human rights including dignity, cultural property, and uniqueness of indigenous people. The project is not complicit in Human Rights abuses.

4.2.7.3 Indigenous Peoples and Cultural Heritage

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Preservation and protection of cultural heritage	There is no resettlement issue associated with the Project. There were no houses in the project area, thus the project did not cause any resettlement. During the construction and operation of the project, there was not any damage, alteration or removal to the critical cultural heritage. Because the project location does not involve any critical cultural heritage. Cultural and environmental heritage is protected against alteration, damage or removal by the law.

4.2.7.4 Property Rights

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Disputes over rights to territories and resources	All permits for the project site were obtained during the validation period. Like EIA permit.
Respect for property rights	NA

4.2.7.5 Benefit Sharing

Item	Evidence gathering activities, evidence checked, and assessment conclusion
Summary of the benefit sharing plan	NA
Benefit sharing during the monitoring period	NA

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", stream gage gauging station is built for the measurement of flow to assess the environmental flow. General directorate for state hydraulic works executes the monitoring and the Project complies with the regulations. EIA not Required Cerfiticate" from Ministry of Environment and Urbanization was taken on 29/05/2008 as assessing the environmental impacts of the project activity.
Soil degradation and soil erosion	The project is a wind energy project.
Water consumption and stress	Wastewater is collected through within 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 is seen. The project has not impact habitats for rare, threatened, or endangered species.

4.2.8.2 Introduction of Species

Species introduced	Evidence gathering activities, evidence checked, and assessment conclusion
NA	NA

Existing invasive species	Evidence gathering activities, evidence checked, and assessment conclusion
NA	NA

4.2.8.3 Ecosystem conversion

Item	Evidence gathering activities and evidence checked
Ecosystem conversion	The project is not an ARR, ALM, WRC or ACoGS project.

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 15 /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.

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

Where:
$EG_{PJ,y}$ = Net electricity delivered to the grid by the project activity in year y excluding transmission losses of the grid (MWh)
$EF_{grid,CM,y}$ = Combined margin grid emission factor (tCO_2/MWh)

Project emissions

Since the project activity is a wind project project emission to be zero. as per the ACM0002 version 16.0 /6/ as defined in the registered VCS PD for "Alaçatı Wind Power Project, Turkey" /1/ and / 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
Gross electricity generation	TEIAS statistics	Please refer to Table 13 in the PDD	TEIAS annually publishes official data regarding electricity generation. Average share of each source in the overall generation has been calculated.

DATA/PARAMETER	Source of data	Reported value for the project period	Assessment/Observation
Eg_y Net electricity generated by project electricity system in year 2009, 2010 and 2011	TEIAS statistics	Please refer to Table 14 and Table 15 in the PDD	TEIAS annually publishes official data regarding total net electricity generation, but its breakdown by fuel type is unavailable.

DATA/PARAMETER	Source of data	Reported value for the project period	Assessment/Observation
$EF_{CO2,i,y}$ CO2 emission factor of fuel type i used in power unit m in year 2011	IPCC	Please refer to Table 18 and Table 21 in the PDD	No plant specific and national emission factor data is available in Turkey. So, IPCC default data is used.

DATA/PARAMETER	Source of data	Reported value for the project period	Assessment/Observation
Sample Group for BM emission factor	TEIAS statistics	Please refer to table 23 in the PDD	The data published on the TEİAŞ website is the most up-to-date and reliable data available for the Turkish grid

DATA/PARAMETER	Source of data	Reported value for the project period	Assessment/Observation
$\eta_{i,y}$ Average energy conversion efficiency of power unit m in year y	Annex I the "Tool to calculate the emission factor for an electricity system"	Please refer to table 18 in the PDD	For efficiency rates of Coal and Lignite Power Plants See Annex-1 of the Tool (highest rate is applied to be conservative) For Natural Gas and Oil plants efficiencies, default value given in the tool is applied:

DATA/PARAMETER	Source of data	Reported value for the project period	Assessment/Observation
$HV_{i,y}$ Heating Values of fuels consumed for electricity generation in the years of 2009, 2010 and 2011	TEIAS statistics	Please refer to Table 19 in the PDD	TEİAŞ is the national electricity transmission company, which makes available the official data of all power plants in Turkey. There is no national NVC data in Turkey. However, TEİAŞ announces Heating values of fuels. This data is used to calculate annual NCVs for each fuel type.

DATA/PARAMETER	Source of data	Reported value for the project period	Assessment/Observation
$FC_{i,y}$ Amount of fuel type i consumed by relevant power plants in Turkey in the years of 2009, 2010 and 2011	TEIAS statistics	Please refer to Table 20 in the PDD	TEİAŞ is the national electricity transmission company, which makes available the official data of all power plants in Turkey.

DATA/PARAMETER	Source of data	Reported value for the project period	Assessment/Observation
$NCV_{i,y}$ Net calorific value (energy content) of fuel type i in years of 2009, 2010 and 2011	Calculated by using HVi,y to FCi,y as Net Calorific Values of fuel types are not directly available in Turkey.	Please refer to section Table 21 in the PDD	According to "Turkish Statistics Law and Official Statistics Program" TEIAS, the Turkish Electricity Transmission Company is the official source for the related data, hence providing the most up-to-date and accurate information available. Calculation of NCVs from national HVi,y and FCi,y data is preferred to default IPCC data as these are more reliable.

DATA/PARAMETER	Source of data	Reported value for the project period	Assessment/Observation
$EF_{grid,CM,y}$ Baseline emission factor (for the first crediting period)	TEIAS statistics	0.5833 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 0.5833 tCO2/MWh in the VCS PD /1/ and validation report /7/.

Data and parameters to be monitored

<table>
<tr><td>DATA/PARAMETER</td><td>EGfacility, y</td></tr>
<tr><td>Data Unit</td><td>MWh/y</td></tr>
<tr><td>Description</td><td>Quantity of net electricity supplied to the grid by The Alaçatı Wind Power Project, Turkey in year “y”</td></tr>
<tr><td>Source of data</td><td>EPIAS Records Monthly Meter Reading (OSOS) Forms</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>Continuously monitoring and monthly recording</td></tr>
<tr><td>Value monitored</td><td>42,253.03 MWh for 2021 (01/03/2021 – 31/12/2021)
53,831.13 MWh for 2022
43,877.90 MWh for 2023
10,441.80 MWh for 2024 (01/01/2024 – 29/02/2024)
Total for MP: 149,403.86 MWh</td></tr>
<tr><td>Monitoring equipment</td><td>Old electricity meters given below:
<table>
<tr><th></th><th>Main Meter</th><th>Spare Meter</th></tr>
<tr><td>Name</td><td>Ana Sayaç</td><td>Yedek Sayaç</td></tr>
<tr><td>Brand</td><td>EMH</td><td>EMH</td></tr>
<tr><td>Serial Number</td><td>4213173</td><td>4213174</td></tr>
<tr><td>Calibration Date</td><td>04/06/2016</td><td>04/06/2016</td></tr>
<tr><td>Replace date</td><td>05/11/2022</td><td>06/12/2022</td></tr>
<tr><td>Meter Test Dates</td><td>19/09/2020</td><td>19/09/2020</td></tr>
<tr><td>Accuracy Class</td><td>0.2S</td><td>0.2S</td></tr>
</table>
New electricity meters given below:
<table>
<tr><th></th><th>Main Meter</th><th>Spare Meter</th></tr>
<tr><td>Name</td><td>Ana Sayaç</td><td>Yedek Sayaç</td></tr>
<tr><td>Brand</td><td>EMH</td><td>EMH</td></tr>
<tr><td>Serial Number</td><td>11800269</td><td>11800270</td></tr>
<tr><td>Calibration Date</td><td>05/11/2022</td><td>06/12/2022</td></tr>
<tr><td>Meter Test Dates</td><td>-</td><td>-</td></tr>
<tr><td>Accuracy Class</td><td>0.2S</td><td>0.2S</td></tr>
</table>
The meters have the accuracy of 0.2s as confirmed through change protocol of the electricity meters /12/.</td></tr>
</table>

QA/QC procedures to be applied	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 on 2022 (factory level and tested on site) as confirmed through the meter change protocol /19/. Old meters were calibrated on 2016 as confirmed through the meter change protocol. 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. During this monitoring period two metering tests were performed on 05/11/2022 (main) and 06/12/2022. Also old electricity meters test was performed on 19/09/2020 according to system usage agreement /23/ test period is defined as two years and can be change according to availability of TEAİS person.
Purpose of the data	To calculate the baseline emission value
Calculation method	The electricity generation and consumption are measured in line with the TEIAS rules and requirements /18/. 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	-

Emission Reductions Achieved

The emission reductions calculation reported in the Monitoring Report version 0.3 of 04/10/2024 /2/ and calculation spreadsheet "ER_Calculations_Alacati_WPP_v03_04_10_2024" version 0.3 of 04/10/2024 /8/ have been verified to be correct.

The emission reductions from the project for the monitoring period from 01/03/2021–29/02/2024 as reported in the Monitoring Report is equivalent to 87,145 tCO_2e. All data were examined without sampling and it was seen that there was no error in data transfer. RINA confirmed that GHG emission reductions and removals have been quantified correctly in accordance with the project description and applied methodology.

4.4 Quality of Evidence to Determine Reductions and Removals

1 main meter and 1 backup meter were installed at the project site. The main meters were EMH- with serial number 4213173 and 4213174. The meters have the accuracy of 0.2s as confirmed through change 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/. The main and back meters was changed on 05/11/2022 (main) and 06/12/2022 (spare) new main meters are EMH with serial numbers 11800269 and 11800270. The meters have the accuracy of 0.2s as confirmed through change protocol of the electricity meters /12/.

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 on 2022 (factory level and tested on site) as confirmed through the meter change protocol /19/. Old meters were calibrated on 2016 as confirmed through the meter change protocol. 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. During this monitoring period new metering tests were performed on 05/11/2022; also for old electricity meters were performed on 19/09/2020 according to system usage agreement /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 01/03/2021–29/02/2024. 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 0.3 of 04/10/2024 for the project activity "Alaçatı Wind Power Project, Turkey". The verification is performed for the 1st crediting period (from 03/06/2016 to 02/06/2026). The project complies with the certification criteria for projects set out in the VCS Standard version 4.5, VCS Program Guide version 4.4 requirements /4/ /5. 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 "Alaçatı Wind Power Project, Turkey" in Türkiye, VCS Registration Reference N° 1437, for the period 01/03/2021–29/02/2024, 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 "Alaçatı Wind Power Project, Turkey, in Türkiye for the period 01/03/2021–29/02/2024 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 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.

Hence, RINA is able to certify that the emission reductions from the project during the monitoring period 01/03/2021–29/02/2024 amount to 87,145 tCO_2e.

Verification period: From 01/03/2021–29/02/2024 (for the first crediting period). Verified GHG emission reductions and removals in the above verification period:

5.2 Verification Conclusion

Verification period: From [01-03-2021] to [29-02-2024]

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)
Year 2021 (01/03/2021) (31/12/2021)	24,646	0	0	24,646	0	24,646
2022	30,816	0	0	30,816	0	30,816
2023	25,953	0	0	25,953	0	25,953
Year 2024 (01/01/2024) (29/02/2024)	6,090	0	0	6,090	0	6,090
Total	87,145	0	0	87,145	0	87,145

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
Year 2021 (01/03/2021) (31/12/2021)	24,364	24,646	1.2	This marginal spread from the estimation is probably due to weather conditions
2022	29,062	30,816	6	
2023	29,062	25,953	-11.9	
Year 2024 (01/01/2024) (29/02/2024)	4,777	6,090	27.5	
Total	87,266	87,145	-0.1	

The emission reductions from the project for the monitoring period as reported in the monitoring report Version 0.3 of 04/10/2024 is equivalent to 87,145 tCO_2. The reported emission reductions are less (0.1%) than the estimated emission reduction of 87,266 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*
NA	NA	NA	NA

APPENDIX 2: SUPPORTING DOCUMENTS

/1/	VCS PD for "Alaçatı Wind Power Project, Turkey, in Türkiye", version 0.1 of 24/02/2015
/2/	Sekans Danismanlik: Monitoring report for "Alaçatı Wind Power Project, Turkey", 0.3 of 04/10/2024,
/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 4.5 of 29/08/2023
/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/	BUREAU VERITAS Validation Report for "Alaçatı Wind Power Project, Turkey", version 02 of 25/02/2015
/8/	Sekans Danismanlik: Emission Reduction Calculation Spreadsheet "ER_Calculations_Alacati_WPP_v03_04_10_2024" version 0.3 of 04/10/2024.
/9/	VCS Verified Carbon Standard: VCS Verification Report Template 4.3 of 29/08/2023
/10/	CDM Executive Board: Methodological Tool "Tool to calculate the emission factor for an electricity system", version 07.0 of 31/08/2018
/11/	Website: https://registry.verra.org/app/projectDetail/VCS/1437; Argument: Verra Database Language: English; Retrieved on: 08/05/2024
/12/	Turkish Electricity Transmission Company (TEIAS): Change Protocol of the Electricity Meters of 05/11/2022 and 06/12/2022.
/13/	Energy Market Regulatory Authority: Generation License, No: EÜ/1622-5/1178, date of 29/05/2008
/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 19/09/2020
/20/	Ministry of Environment and Forestry: EIA not required decision, dated on 18/05/2009
/21/	RE CARBON: Previous Verification Report, version 02.1 of 11/08/2021
/22/	Website: https://registry.goldstandard.org/projects?q=ala%C3%A7at%C4%B1&page=1 Argument: GS Database, Language: English; Retrieved on: 08/05/2024
/23/	Turkish Electricity Transmission Company (TEIAS): system usage agreement

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

Table 1. Remaining FAR from previous verification

FAR ID	1	**Section no.**		**Date:**
Description of FAR				
Project participant response				**Date:**
Documentation provided by project participant				
VVB assessment				**Date:**

Table 2. CR from this verification

CR ID	1	**Section no.**		**Date:** 09/03/2024
Description of CR				
1- Please share evidence of 49,822 MWh (generation license) 2- Section 1.1 "The start date of the project activity is 03/06/2016" please share with reason. 3- Table 1 for SDG 7.2 it Is not necessary to share general comment "The latest statistics for 2016-2020 (during the monitoring period) by Turkish Electricity Transmission Corporation, Renewable Electricity Generation Share in Turkey Total Electricity Generation has reached to %41.9. During the monitoring period, the project had a share of %0.04 within the total renewable share" only can share actual ER. 4- Please share SGK documents as an evidence of employment. 5- Section 2.2 for working conditions please refer to local and international laws and regulations as given in next section. In same section pollutants: Please refer to EIA not required decision. Also section 2.4 please refer to EIA not required decision. 6- Please not shorten the ARR, ALM, WRC or ACoGS project. 7- Please share commissioning documents for the project.				
Project participant response				**Date:** 20/03/2024
1) The generation license is available to the VVB. 2) Section 1.1 has been revised. 3) Table 1 has been revised. 4) The SGK documents are available to the VVB. 5) Section 2.2 and 2.4 have been revised. 6) Long versions of "ARR", "ALM", "WRC" and "ACoGS" have been included in the MR. 7) The commissioning documents are available to the VVB.				
Documentation provided by project participant				
1- The generation license has been provided to the VVB. 2- The MR has been revised. 3- The MR has been revised. 4- The SGK documents have been provided to the VVB. 5- The MR has been revised. 6- The MR has been revised. 7- The Ministry Acceptance Protocols have been provided to the VVB.				
DOE assessment				**Date:** 05/05/2024
CR ID 1 is closed.				

CR ID	2	**Section no.**	4.1	**Date:** 09/03/2024
Description of CR				
1- Please share the value applied clearly not refer to PDD. 2- It is not necessary to share all parameters that is not use in MR and calculations.				
Project participant response				**Date:** 20/03/2024
1- Section 4.1 has been revised. 2- Parameter sections have been revised.				
Documentation provided by project participant				
1- The MR has been revised. 2- The MR has been revised.				
DOE assessment				**Date:** 05/05/2024
CR ID 2 is closed.				

Table 3. CAR from this verification

CAR ID	1	**Section no.**		**Date:** 09/03/2024
Description of CAR				
1- Please revise most recent date of issue. It is earlier than MP. 2- In most of parts of MR actual emission is not shared clearly. Please share actual value of ER. 3- Section1.2 Please revise audit history Table with correct VVB name and validation period.				
Project participant response				**Date:** 20/03/2024
1- Since February 2024 production and consumption values could not be obtained until the field visit, the report was shared with VVB without these production and consumption values. Also, the MR has been revised. 2- The whole MR has been revised. 3- Section 1.2 has been revised.				
Documentation provided by project participant				
1, 2, 3- The MR has been revised.				
DOE assessment				**Date:** 05/05/2024
CAR ID 1 is closed.				

CAR ID	2	**Section no.**	4.2	**Date:** 09/03/2024
Description of CAR				
1- Parameter EGfacility,y please share actual values. It is not shared. 2- Supporting documents: First index protocol, calibration documents and test reports are missing for electricity meters. Also please share connection agreement. 3- Please review all report because some parts methodology is stated as ACM 0002 version 20. 4- The 2 tables are not filled. Please share missing parts and values.				
Project participant response				**Date:** 20/03/2024
1- Parameter EGfacility,y has been revised. 2- First index protocol, calibration documents and test reports have been provided to the VVB. 3- The version of ACM0002 has been revised throughout the MR. 4- Tables have been revised.				
Documentation provided by project participant				
1- The MR has been revised. 2- First index protocol, calibration documents and test reports are available to the VVB. 3, 4 - The MR has been revised.				
DOE assessment				**Date:** 05/05/2024
CAR ID 2 is closed.				

Table 4. FAR from this verification

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

Document information

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

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

RINA SERVICES
classification, certification, inspection & testing

CERTIFICATO DI QUALIFICA PER GLI SCHEMI VOLONTARI*
QUALIFICATION CERTIFICATE FOR VOLUNTARY SCHEMES*

Si attesta che il sig./sig.ra: / *We declare that Mr/Mrs/Ms:* **Hui Feng Liu**

è qualificato come: / *is qualified as:* **TEC, VAL, VER, TL, ITRP**

per le seguenti aree tecniche:
for the following technical areas:

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
8.1	Mining and mineral processes	8
9.2	Iron, steel and Ferro alloy production	9
13.1	Solid waste and wastewater	13

REVISIONE *REVISION*	DATA *DATE*	MOTIVAZIONI PER LA REVISIONE *REASON FOR THE REVISION*
0	19/07/2016	First issue with new template (this certificate is linked to CDM qualification)

Responsabile di schema
Scheme Leader
Rita Valoroso

*SCHEMI VOLONTARI/ VOLUNTARY SCHEMES: ACR American Carbon Registry, CCB The Climate, Community & Biodiversity Alliance, GS Gold Standard, JI Joint Implementation, SCS Social Carbon Standard, VCS Verified Carbon Standard.

TEC: Technical expert; VAL: Validator; VER: Verifier; TL: Team leader; FIN EXP: Financial Expert; ITRP: Indipendent technical reviewer

RINA Services S.p.A. è accreditato/riconosciuto da
RINA Services S.p.A. is accredited /recognized by

UNFCCC	quale Entità Operativa Designata (DOE), per condurre la Validazione e la Verifica di Progetti CDM *as Designated Operational Entity (DOE), to carry out Validation and Verification of CDM Projects*
VCSA	per condurre la Validazione e la Verifica di Progetti VCS *to carry out Validation and Verification of VCS Projects*
GS Foundation	per condurre la Validazione e la Verifica di Progetti GS *to carry out Validation and Verification of GS Projects*
Ecologica Institute	per condurre la Validazione e la Verifica di rapporti SCS *to carry out Validation and Verification of SCS Reports*
American Carbon Registry ACR	per condurre la Validazione e la Verifica di Progetti ACR *to carry out Validation and Verification of ACR projects*
The Climate, Community & Biodiversity Alliance CCB	per condurre la Validazione e la Verifica di Progetti co-benefit CCB *to carry out Validation and Verification of co-benefit CCB projects*

GHG_QUAL_CERT_EN_07_16 Voluntary(Certificate) Page 1 of 1