
VERIFICATION AND CERTIFICATION REPORT

EKSİM ENERJİ A.Ş.

BALIKESİR SUSURLUK 45 MW


WIND FARM PROJECT

IN

TURKEY

MONITORING PERIOD:

From 16/09/2021 to 31/03/2023 (both days included)

Organizational Unit:	Re Carbon Ltd.		
Project Title:	Balikesir Susurluk 45 MW Wind Farm Project		
Project Number:	Client:	Current MR Version:	
854	Eksim Enerji A.Ş.	4	
Date of First Issue:	Date of Current Version:	Version Number:	Number of Pages:
21/05/2023	05/06/2023	02	76
Verification Number:	Registration Number:	Monitoring Period:	
1 st (of CP2) 3 rd (in total)	GS854	From: 16/09/2021	To: 31/03/2023
Summary:			
Host Country: Turkey			
Project is Reviewed Against:			
<input checked="" type="checkbox"/> Kyoto Protocol <input checked="" type="checkbox"/> UNFCCC CDM rules and regulations and associated documents <input checked="" type="checkbox"/> Gold Standard rules and regulations <input type="checkbox"/> Other (Please Specify)			
Methodology: ACM0002: Grid-connected electricity generation from renewable sources			
Version: 20.0			
Verified Emissions Reductions: 146,531 tCO ₂ e			
Project Size: <input checked="" type="checkbox"/> Large Scale <input type="checkbox"/> Small Scale <input type="checkbox"/> Micro Scale			
Project Developers:	Sekans Danışmanlık		
Verification Stages:			
<input checked="" type="checkbox"/> Desk Review <input checked="" type="checkbox"/> Site Visit <input checked="" type="checkbox"/> Follow-up Interviews <input checked="" type="checkbox"/> Resolution of Outstanding Issues			
Verification Findings:			
<p>During the verification 18 Corrective Action Requests and 09 Clarification Requests were issued, all of which were closed out before the issuance of this verification report. No Forward Action Request was issued during the verification.</p> <p>In summary, it is Re Carbon Ltd.'s opinion that the project activity "Balikesir Susurluk 45 MW Wind Farm Project" in Turkey, is in compliance with the monitoring plan described in the registered PDD, version 8 and dated 22/11/2022. The GHG emission reductions are calculated correctly as per the applied methodology and the emission reductions given in the monitoring report version 4 dated 30/05/2023 are fairly stated.</p>			
Verification Team Leader:	Ms. Öykü YAKUPOĞLU	Indexing Terms:	
Verification Team Members:	Ms. Selen CİLASUN (Trainee Team Leader)	<input checked="" type="checkbox"/> No distribution without permission of the client or responsible organizational unit <input type="checkbox"/> Limited Distribution <input type="checkbox"/> Unrestricted Distribution	
Approved By (Technical Reviewer):	Name:	Signature:	
	Rohit BADAYA		

Abbreviations

CAR	: Corrective Action Request
CDM	: Clean Development Mechanism
CEF	: Carbon Emission Factor
CER	: Certified Emission Reduction(s)
CL	: Clarification request
CO₂	: Carbon dioxide
CO₂e	: Carbon dioxide equivalent
DNA	: Designated National Authority
DOE	: Designated Operational Entity
DR	: Document Review
EF	: Emission Factor
ER	: Emission Reductions
ERPA	: Emission Reduction Purchase Agreement
FAR	: Forward Action Request
GHG	: Greenhouse gas(es)
GS	: Gold Standard
GS4GG	: Gold Standard for Global Goals
GWP	: Global Warming Potential
I	: Interview
IPCC	: Intergovernmental Panel on Climate Change
kWh	: Kilo Watt Hour
MP	: Monitoring Plan
MoV	: Means of Verification
MW	: Mega Watt
MWh	: Mega Watt Hour
NGO	: Non-governmental Organisation
ODA	: Official Development Assistance
PDD	: Project Design Document
PD	: Project Developer(s)
tCO₂e	: Tonnes of CO ₂ equivalents
UNFCCC	: United Nations Framework Convention on Climate Change

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1. EXECUTIVE SUMMARY– VERIFICATION AND CERTIFICATION OPINION

Re Carbon Ltd. performed the 3rd verification (1st verification of the second crediting period) of the “Balıkesir Susurluk 45 MW Wind Farm Project”, a Gold Standard project with the registry reference number “GS854” for the monitoring period in between 16/09/2021 and 31/03/2023. The scope of the activities cover the verification and certification of GHG emissions reductions reported in the Monitoring Report Version 4, dated 30/05/2023 of “Balıkesir Susurluk 45 MW Wind Farm Project”.

Re Carbon Ltd. hereby confirms that the project activity “Balıkesir Susurluk 45 MW Wind Farm Project” in Turkey, is implemented in accordance with the validated and registered PDD version 8, dated 22/11/2022. The monitoring system is in place and the emission reductions are calculated without material misstatements as per the applied approved methodology, which is “ACM0002: Grid-connected electricity generation from renewable sources”, version 20.0.

Re Carbon Ltd. confirms the following based on the results of document review and on-site assessment:

The implementation of the project has resulted in the avoidance of 146,531 tCO₂e during the monitoring period in between 16/09/2021 and 31/03/2023.

2. INTRODUCTION

2.1. Objective

Through a contract, dated 18/02/2022, Re Carbon Ltd. was appointed by “Eksim Enerji A.Ş.” to perform the 3rd verification of the “Balıkesir Susurluk 45 MW Wind Farm Project”. The objective of this verification activity was to assess, with objective evidence:

- if the monitoring report version 4 dated “30/05/2023” conforms with the requirements of the monitoring plan of the registered PDD and the approved methodology
- if the project activity conforms with the monitoring report and the registered PDD, and
- if the data reported in the monitoring report are complete and transparent.

2.2. Scope

The scope of the verification is the independent and objective review of the monitored GHG reductions. The verification activity is based on the validated and registered PDD version 8, dated 22/11/2022.

The project activity and the monitoring report are assessed against the requirements of Article 12 of the Kyoto Protocol, CDM Modalities and Procedures as agreed on in the Marrakech Accords under decision 3/CMP.1, the annexes to that decision, “ACM0002: Grid-connected electricity generation from renewable sources” version 20.0, subsequent decisions and guidance made by COP/MOP and the CDM Executive Board as well as other related rules, according to the guidance given in the CDM Validation and Verification Standard for project activities version 3.0, CDM Project Standard for project activities version 3.0, Gold Standard for the Global Goals (GS4GG) version 1.2 and other relevant GS4GG requirements.

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

2.3. Description of the Project Activity

“Balıkesir Susurluk 45 MW Wind Farm Project” is operated by “Susurluk Enerji A.Ş.”¹. The project activity is located in near Ömerköy and Demirkapı Villages, Susurluk District in Balıkesir Province, in Marmara Region of Turkey. Province of Turkey. As per the generation license dated 17/02/2022, the permission of 30 wind turbines has been received. However, there are 29 wind turbines in the project site. This information has been confirmed during the on-site visit. Since the project was registered with 18 wind turbines, 18 wind turbines will be taken as

¹ The company has been grouped under Eksim Enerji A.Ş. by the same project owner. (In the remaining part of the verification report, the project owner is expressed as “Eksim Enerji A.Ş.”.)

basis for the electricity generation in this verification period. The commissioning dates and the installed capacities of these 18 wind turbines are as follows:

Phase	Date	Capacity	Turbines
1 st	13/02/2011	12.5 MWe	T1, T2, T3, T7, T8
2 nd	25/03/2011	10.0 MWe	T4, T5, T6, T9
3 rd	22/04/2011	12.5 MWe	T13, T14, T15, T16, T18
4 th	20/05/2011	10.0 MWe	T10, T11, T12, T17

Therefore, the total installed capacity of 18 wind turbines is 45 MWe (each turbine has 2.5 MWe installed capacity). The commissioning dates and the installed capacities have been confirmed via the provisional acceptance protocols of the wind turbines.

For the capacity addition, 11 turbines (T19, T20, T21, T22, T23, T24, T25, T26, T27, T28 and T29) were added to the project on **16/07/2013 (T19, T20, T21)**, **13/09/2013 (T22, T23, T24)** and **30/05/2017 (T25, T26, T27, T28, T29)**. The installed capacity of the project has been raised to 75 MWm/72.5 MWe with this revision. As mentioned above, the registered capacity (i.e. 45 MW) of the project will be considered for the current verification period. The electricity generation and the emission reduction of the added units are ignored for this monitoring period.

To find the actual values obtained from the registered capacity, the generation of the new turbines from the project activity's SCADA system will be deducted from the overall generated amount, which can be monitored using EPIAS records. As a result, baseline emissions will be calculated using the "adjusted net electricity supplied to the grid.". The EPIAS records and SCADA records have been provided by the project owner for the period 16/09/2021 – 31/03/2023. The relevant calculation is as follows:

$$\text{Adjusted net electricity supplied to the grid [MWh]} = EG_{PJ,grid,y} \text{ [MWh]} - \text{Generation of added capacity taken from the SCADA System [MWh]}$$

The electricity generated at project is fed to the national grid via Balıkesir SEKA TM, 154 kV. The purpose of the proposed project is to generate electricity by utilizing the renewable energy. Total amount of electricity generation (i.e. adjusted net electricity supplied to the grid) is 226,060.45 MWh and emission reduction achieved in this monitoring period is 146,531 tons of CO₂e.

The second crediting period start date of the project as verified from the information provided in the registered PDD (version 8, dated 22/11/2022) is 13/02/2018 with choice of renewable crediting period. This is the 1st monitoring period of 2nd crediting period (3rd monitoring period in total) which is in between 16/09/2021 and 31/03/2023 (both days included). There is a FAR from the "Design Renewal Review" of the project activity. As per this FAR, PD can only claim

VERs from 16/09/2021 in CP2. Therefore, the start date of the current monitoring period is 16/09/2021.

Technical specifications of the 18 wind turbines (15 of them are Nordex/N100, 3 of them are Nordex/N90) are as follows:

Model of Turbine	Parameter	Unit	Value
Nordex N100 2.5 MW	Rotor Diameter	m	99.8
	Rated Power	kW	2500
	Rated Wind Speed	m/s	12.0
	Hub Height	m	80
	Operating wind	m/s	3.0-20.0
Nordex N90 2.5 MW	Rotor Diameter	m	90
	Rated Power	kW	2500
	Rated Wind Speed	m/s	13.5
	Hub Height	m	80
	Operating wind	m/s	3.0-25.0

Technical specifications of the turbines were confirmed via the technical document of Nordex (for N100/2500 and N90/2500). The relevant document was provided by the project owner.

2.4. Parties Involved

Eksim Enerji A.Ş. (Project Owner) and Sekans Danışmanlık (Project Developer) are the project participants and host country is Turkey.

2.5. Verification Period Covered

This is the 1st verification period of the 2nd crediting period from 16/09/2021 to 31/03/2023 (both days included).

3. METHODOLOGY

The verification of this GS project activity includes the following steps:

- Assessment of the conformity of the actual project activity and its operation with the registered PDD, dated 22/11/2022 version 8
- A on-site visit, executed on 21/03/2023 in order to assess that all physical features of the project activity proposed in the registered PDD are in place and that the project developer has operated the project activity in line with the registered PDD
- Assessment of the compliance of the monitoring plan with the monitoring methodology ACM0002: Grid-connected electricity generation from renewable sources, version 20.0
- Assessment of the compliance of the monitoring with the monitoring plan
- Assessment of data and calculation of greenhouse gas emission reductions
- Issuance of the verification report
- Independent technical review
- Approval of the verification report and request for issuance

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

The Verification Protocol consists of two tables:

- Table 1 (GS-Monitoring Report (MR)-FORM, GS4GG and CDM Verification Requirements)
- Table 2 (Resolution of Corrective Action, Forward Action and Clarification Requests)

The usage description of Table-1 in the Verification Protocol is explained in Table 3-1 below:

Table 3-1: Explanation of Table-1 in the Verification Protocol

Question	Reference	MoV*	Findings, comments, references and document sources	Draft & Final Conclusion
The requirements related with the GS monitoring report, GS4GG and CDM verification Standards and/or Procedures	Gives reference to the legislation or documents where the relevant requirement is found	Explains how conformance with question is investigated. Examples of means of verification are Document Review (DR), Interview (I) and Not Applicable (NA)	Is used to elaborate and discuss the question and/or conformance to the question by giving related references and document sources based on which the finding is issued or evidence is checked	Either acceptable based on the evidence provided (OK), non-compliance with the requirement (CAR), further clarification (CL) due to insufficient, unclear or not transparent information, forward action request (FAR) that needs to be solved during the next periodic verification

The usage description of Table-2 in the Verification Protocol is explained in Table 3-2 below:

Table 3-2: Explanation of Table-2 in the Verification Protocol

Draft Report Clarifications, Forward Action and Corrective Action Requests by Verification Team	Ref. to Questions in Table-1 and Table-2	Summary of Project Developers' Response	Verification Team Conclusion
The all CL, FAR and CARs determined during the draft verification report should be listed here	Gives reference to the checklist questions in Table-1 of Verification Protocol	Is used to summarize the responses by project developers regarding the non-conformities	Is used to summarize the responses by verification and their conclusions

The Verification Protocol is filled out by the verification team in line with the descriptions above. All CARs, CLs and FARs are listed in a transparent and clear manner.

3.1. Verification Team and ITR Selection

The appointment process of the verification team takes into account the technical area(s), sectoral scope(s), and relevant host country experience required by the team members for the verification of the emission reductions achieved by the project activity in the related monitoring period for this verification. The relevant GS verification and previous ITR experiences are also assessed during the selection of the team members as well as the Independent Technical Reviewer (ITR). The verification team and ITR was assigned to this verification activity on 27/01/2022 (with a team change on 18/03/2023), taking all the above factors into consideration and following the contract review procedure.

The verification team and ITR details are given in Table 3-3 below:

Table 3-3: Verification team and ITR details

Name	Role	Host Country Experience	Scope Coverage	Technical Expertise (TA 1.2)	Involvement*
Öykü Yakupoğlu	Team Leader	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	A, DR, RA, R
Selen Cilasun	Trainee Team Leader	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	A, DR, SV, R
Rohit Badaya	ITR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	ITR

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

- A : Administrative
- DR : Desk Review
- SV : Site Visit
- RA : Remote Assessment
- R : Reporting
- ITR : Independent Technical Review

3.2. Desk Review of Documents

The basis for the verification activity is the monitoring report version 1, dated 01/05/2023, which was submitted to the verification team on the same day. This monitoring report was revised several times due to issued CARs and CLs, resulting in version 4, dated 30/05/2023 as the final version. The monitoring report and the monitoring activities were assessed against the registered PDD, version 8, dated 22/11/2022, the “ACM0002: Grid-connected electricity generation from renewable sources” version 20.0, the relevant CDM rules and regulations, CDM Validation and Verification Standard for project activities version 3.0, CDM Project Standard for project activities version 3.0, GS4GG version 1.2.” and the following:

- final validation report version 03, dated 12/12/2022

The following actions were involved in the desk review:

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

A list of all the documents that were reviewed can be found in Section 6 of this verification report.

3.3. On-Site Visits

As a part of the verification activities an on-site visit was performed at the project activity’s site, details of which can be seen in Table 3-4 below:

Table 3-4: Site visit details

Date	21/03/2023	
Location	Balıkesir	
Participant	Company Name	Role in the Organization / Role in the Site Visit
Yüksel Kurt	Odalıdam Village	Mukhtar
Hakkı Çiftçi	Odalıdam Village	Villager
Bedrettin Çiftçi	Odalıdam Village	Villager
Halim Çiftçi	Odalıdam Village	Villager
Fatma Koçtaşlar	Odalıdam Village	Villager
Hayri Çiftçi	Odalıdam Village	Villager
Haliye Koçtaşlar	Odalıdam Village	Villager
Ömür Güven	Eksim Enerji A.Ş.	Business Manager
Yüce Can Yılmaz	Eksim Enerji A.Ş.	Energy Trading Specialist
İlke Kılıç	Sekans Danışmanlık	Consultant
Hakan Sayın	Eksim Enerji A.Ş.	Service Staff
Rıza Özkaya	Eksim Enerji A.Ş.	Operator
Selen Cilasun	Re Carbon Ltd	Trainee Team Leader
Öykü Yakupoğlu (Remotely)	Re Carbon Ltd.	Team Leader
Points Verified	Source of Information	
Implementation and operation of the proposed CDM project activity as per the registered PDD	Document review, on-site visit and interviews with the local stakeholders from Odalıdam Village	
Review of information flows for generating, aggregating and reporting the monitoring parameters	Document review, on-site visit and interviews with the local stakeholders from Odalıdam Village	
Interviews with relevant personnel to confirm that the operational and data collection procedures are implemented in accordance with the monitoring plan in the PDD	Interviews with the local stakeholders from Odalıdam Village	
Cross-check between information provided in the monitoring report and data from other sources such as plant log books, inventories, purchase records or similar data sources	Document review and on-site visit	

Check of the monitoring equipment including calibration performance and observations of monitoring practices against the requirements of the PDD and the selected methodology	Document review, on-visit and interviews with the local stakeholders from Odalidam Village
Review of calculations and assumptions made in determining the GHG data and emission reductions	Document review
Identification of quality control and quality assurance procedures in place to prevent or identify and correct any errors or omissions in the reported monitoring parameters	Document review and interviews with the local stakeholders from Odalidam Village

3.4. Reporting of Findings via the Verification Protocol

During the verification period, a Verification Protocol (attached as Annex 1 to this verification report) was used to submit the findings to the project developers.

As part of this verification report, please see “**Attachment to Verification Report / GS4GG Audit Techniques Template for Verification**” for details of Audit Techniques used and the related risk assessment.

In line with the CDM Validation and Verification Standard the team reports the non-conformities in form of Corrective Action Requests (CARs), Clarification Requests (CLs) and Forward Action Requests (FARs). When and for which type of non-conformities CARs, CLs and FARs are issued is explained below:

- The Verification team raises a **CAR** if one of the following occurs:
 - A non-conformity with the monitoring plan or methodology is found in the monitoring and reporting, or if the evidence provided to prove conformity is insufficient.
 - Mistakes have been made in applying assumptions, data or calculations of emission reductions that will impair the estimate of emission reductions.
 - Issues identified in a FAR during validation to be verified during verification have not been resolved by the project developers.
- The Verification team raises a **CL** if information is insufficient, not transparent, or not clear enough to determine whether the applicable CDM and/or GS4GG requirements have been met.
- The Verification team raises a **FAR** during the verification for actions if the monitoring and reporting require attention and/or adjustment for the next verification period.

According to these principles, a total of 18 CARs, 09 CLs and 00 FARs were issued, all of which are listed in the Verification Protocol.

3.5. Follow-Up Interviews

During the verification period, follow-up interviews were performed by the verification team in order to further analyze the correctness and accurateness of the information provided. A list of individuals interviewed is given in Section 5 of this Verification Report.

3.6. Resolution of Outstanding Issues

During the verification activity, CARs and CLs were issued to clarify the issues that are not sufficiently transparent to reach a positive verification opinion and to approve the achieved GHG emission reductions.

If there are any findings issued as Forward Action Requests (FARs) previously, as indicated in earlier validation and/or verification reports, these are also addressed in this phase.

Outstanding issues indicated in the FARs from earlier reports, and CLs and CARs from this verification activity, were resolved and/ or clarified during the written and oral communications between the Project Developer and Re Carbon Ltd.'s Verification Team Members. These communications are backed up with objective evidence that were sent to the verification team as a proof of compliance. Concerns issued in the desk review, the on-site audit assessments, the follow up interviews and the responses provided for the issued concerns are documented in Annex 1 (Verification Protocol) in order to guarantee the transparency of the verification process.

The verification timeframe is given in detail in Table 3-5 below:

Table 3-5: Verification Timeframe

Activity	Timeline		Total Days
	From	To	
Desk Review	20/03/2023	21/05/2023	63
Review of the MR version 01	01/05/2023	13/05/2023	13
Site Visit	21/03/2023	21/03/2023	1
Issuance of the Verification Protocol version 01	13/05/2023	13/05/2023	1
Review of PDs Initial Set of Responses	15/05/2023	15/05/2023	1
Issuance of the Verification Protocol version 02	15/05/2023	15/05/2023	1
Review of PDs Second Loop Responses	18/05/2023	18/05/2023	1
Closing of all the CARs and CLs	18/05/2023	18/05/2023	1
Issuance of the Verification Report version 01	21/05/2023	21/05/2023	1
ITR Process	21/05/2023	26/05/2023	6
Issuance of the Verification Report version 02	05/06/2023	05/06/2023	1
ITR Approval	05/06/2023	06/06/2023	2
Submission for Final Approval	06/06/2023	06/06/2023	1
Submission to the PD	07/06/2023	07/06/2023	1

Information or clarifications provided as a response to a CAR, CL or FAR could also lead to a new request. This can also be seen transparently in the Verification Protocol provided in Annex 1 of this Verification Report.

3.7. Internal Quality Control

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

The Independent Technical Review is performed by another Team Leader who was not involved in the verification activity of this project activity. Following finalization of the Verification Report by the Team Leader, the draft report is sent to the Independent Technical Reviewer. At this stage not only the report but all the supporting documents, such as emission factor calculations, additionality justifications, relevant excel sheets etc. are being reviewed.

Further CLs and CARs can be issued by the Independent Technical Reviewer during this review to cover all aspects that may need further clarification.

After all the CLs and CARs are closed, the verification report is reviewed and approved by the Team Leader, ITR and the Certification Manager. The request of issuance is submitted to the Project Developer in line with the positive verification opinion and along with all relevant documents.

4. VERIFICATION FINDINGS

4.1. Remaining Issues from Previous Validation or Verifications

There is 1 issued FAR during the Design Renewal Certification process:

FAR #1: Delay in the completion of re-validation beyond the last date of current certification cycle shall result in a reduction of any issuance of Certified Products and/or Impact Statements available during following certification cycle (for example, a delay of 1 year beyond the first cycle shall mean that no Certified Impact Statements shall be issued for the period of delay). Thus, PD can only claim VERs from 16 Sep 2021 (the date of complete documents uploaded on SC App for crediting period renewal) in CP2.

Answer to FAR #1: In accordance with the rules, the current monitoring period started from 16/09/2021.

There is also another issued FAR during the Validation of Renewal of the crediting period:

FAR #1: As there has been a gap in verification, next verification VVB please check OFN with numerical evidence.

Answer to FAR #1: Invoices for the VERs sales have been submitted to VVB. Since the income is not enough to cross the benchmark, the project activity still needs carbon credits.

4.2. Compliance of the Project Implementation with the Registered PDD

The project is fully implemented according to the description presented in the registered PDD and 29 wind turbines (including the registered 18 wind turbines) were operational during the on-site visit as in the registered project. The verification team confirms through the site visit inspection and provided evidences that all physical features of the project activity including data collecting systems and storage have been implemented in accordance with the registered PDD. Electricity meters were also seen during the on-site visit. The project activity is completely operational and the same has been confirmed through on-site visit.

The commissioning dates and the installed capacities of these 18 wind turbines are as follows:

Phase	Date	Capacity	Turbines
1 st	13/02/2011	12.5 MWe	T1, T2, T3, T7, T8
2 nd	25/03/2011	10.0 MWe	T4, T5, T6, T9
3 rd	22/04/2011	12.5 MWe	T13, T14, T15, T16, T18

4 th	20/05/2011	10.0 MWe	T10, T11, T12, T17
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According to the registered PDD, the estimated annual emission reduction is 79,040 tCO₂e and corresponding total estimated amount for the monitoring period is 121,700 tCO₂e. The actual values achieved for the current monitoring period is 146,531 tCO₂e. The actual amount of emission reduction for the current monitoring period is 20.4% more than estimated emission reduction amount. However, considering the yearly fluctuations in wind, high uncertainty for wind speed estimation and possible increase and decrease in the electricity generation during the long life time of the project, the average increase throughout the monitoring period as 20.4% is deemed acceptable. Also, looking at the year 2021, it is seen that a 3-month period is monitored. This has increased the emissions achieved. Normally, these values would not be this much high. In addition, the project was already unable to benefit from carbon credits between 2018-2021 due to the Covid-19 pandemic and the Gold Standard process, so the project has a revenue shortfall. So, the project still needs additional revenue.

The difference in the values does not lead to a substantial increment of the ER in this period in relation to the estimates in the registered PDD.

The technical specifications of the wind turbines are confirmed by looking at technical documents of Nordex (for N100/2500 and N90/2500).

4.3. Compliance of the Monitoring Plan with the Monitoring Methodology

The monitoring plan is in accordance with the approved methodology, ACM0002 version 20.0, applied by the project activity.

In line with the methodology, the only information to be monitored is the amount of net electricity delivered to the grid by the project activity.

4.4. Compliance of the Monitoring with the Registered Monitoring Plan

The net electricity is measured continuously by one main electricity meter at the grid interface and recorded monthly. There is also one back-up electricity meter.

The net electricity is measured continuously by one main meter at the grid interface and recorded monthly. The meters used are in line with the regulatory requirements for electricity meters and both are EMH brand with the serial number of 9674603 and with the serial number of 9674604 for the main meter and back-up meter, respectively as confirmed through the meter test protocols and the on-site visit. The accuracy class of the meters is 0.5S.

The meter tests dated 02/11/2020 and 07/03/2022 were provided to the VVB. The meter test dated 02/11/2020 is also a meter change protocol. The old main meter had the serial number of 416275 and the old back-up meter had the serial number of 416274. This meter change was conducted out of the current monitoring period (i.e. 16/09/2021 – 31/03/2023).

The electricity meters have been controlled and maintained by the grid owner. The quantity of net electricity delivered to the grid has been calculated with the EPIAS (the financial settlement centre of TEIAS) records provided to the PP by TEIAS. All readings and billings are done via EPIAS system which is the legal database of the Ministry.

There are always internal reviews of the metered data which is checked by different parties. SCADA system is available from which daily reports are taken. The data collected daily is saved in plant manager computer and backed up. Sample log books were checked and there were no differences in data.

Moreover, the details of the ex-ante parameter was confirmed with checking the registered PDD (version 8 dated 22/11/2022) of the project activity.

4.5. Completeness of Monitoring

All parameters required by the methodology and Gold Standard are monitored. In line with the methodology, the only information to be monitored is the amount of net electricity exported to the grid by the project activity. The sustainable development indicators indicated in the GS passport relevant for the 1st verification of the 2nd crediting period are:

- ER_y
- $EG_{PJ,grid,y}$
- Number of Employments
- Number of Employees to be trained for the construction and operation of the plant / Fair Wage, working hours and occupational injuries

As there are no missing parameters, monitoring is complete.

4.6. GS4GG Safeguarding Principles and Requirements

Safeguarding Principles and Requirements are in line with the registered PDD and the final version of the Gold Standard for the Global Goals. For the verification of Safeguarding Principles and Requirements in the current monitoring period, document review, on-site visit observations and on-site interviews with local stakeholders were used.

Compliance check of the Data / Parameter(s) indicated in the Safeguarding Principles Monitoring Plan of the registered PDD has been carried out as described in Table 4-1 below:

Table 4-1: Safeguarding Principles monitoring parameters

No.	Relevant SDG Indicator/ Safeguarding Principle	Chosen Data / Parameter	Way of Monitoring (When)	Compliance Check
-----	---	-------------------------	--------------------------	------------------

1.	ER _y (SDG 13 & Target 13.3)	Emission reductions by the project activity in year y	Checking EPIAS records and the ex-ante combined margin factor	The net electricity generation has been checked from the EPIAS records (and cross-checked with TEIAS meter reading records/OSF forms). The details of the electricity generation are provided in Section 4.8 of this verification report. Then, these values multiply with the ex-ante combined margin factor.
2.	EG _{PJ,grid,y} (SDG 7 & Target 7.2)	Quantity of net electricity generation supplied by the project plant/unit to the grid in year y	Checking EPIAS records	The net electricity generation has been checked from the EPIAS records (and cross-checked with TEIAS meter reading records/OSF forms). The details of the electricity generation are provided in Section 4.8 of this verification report.
3.	Number of Employments (SDG 8 & Target 8.5)	Number of people permanently working for the operation of the project	Checking social security records of the employees	Social security records of 19 employees were provided to the VVB.
4.	Number of Employees to be trained for the construction and operation of the plant / Fair Wage, working hours and occupational injuries (SDG 8 & Target 8.8)	Trainings on construction health and safety / Social Security Conditions provided to the employees	Checking number of trainings / Checking social security records	The training records of the employees dated 18/01/2022, 15/03/2022, 07/06/2022 and 10/01/2023 were provided to the VVB. During the on-site visit, it was learned that, with interviewing with the employees, no occupational injuries have been occurred in this monitoring period. / Social security records of 19 employees were provided to the VVB.

The project contributes to SDG 7 (Affordable and Clean Energy with 226,060.45 MWh net electricity generation), SDG 8 (Decent Work and Economic Growth with total 19 employed staff during the recent year of operation period and there are several training records which

are indicated above), SDG-13 (Climate Action with achieved emission reduction of 146,531 tCO₂e) during the monitoring period.

Therefore, based on the on-site visit observations, handled interviews and provided documents, it can be confirmed that monitoring parameters are monitored in line with the registered Monitoring Plan.

4.7. Compliance with the Calibration Frequency Requirements for Measuring Instruments

During validation calibrated meters were installed as per the regulations. The initial calibration of the electricity meters was done on 02/11/2020 (i.e. the meter change date) as confirmed with the meter change protocol. Although, re-calibration is required after ten years², nevertheless, in case of irregular difference between main and cross-check spare meters, TEIAS responsible are informed for the intervention. That means, TEIAS is responsible for the calibration and maintenance of the devices. The meter test for the electricity meters were performed on 07/03/2022.

Currently, the serial numbers of the meters are 9674603 for the main meter and 9674604 for the backup meter, respectively and both are EMH brand. All documents regarding meter quality and test have been presented.

All data collected as part of monitoring will be archived electronically by the project owner and be kept at least for 2 years after the end of the last crediting period.

4.8. Assessment of Data and Calculation of Emission Reductions

EPIAS records have been presented to the VVB for all months of the monitoring period. All data in emission reductions table are checked with EPIAS records. EPIAS records are the main data source whereas TEIAS meter reading records/OSF forms has been utilized as the cross check data source. The net electricity generated during the current monitoring period was as follows in Table 4-2 below:

Table 4-2: Net Electricity Generation Values

Period	Amount	Compliance check
16/09/2021 – 31/12/2021	Export to Grid: 47,791.00 MWh Import from Grid: 77.04 MWh Net electricity supplied to grid: 47,713.96 MWh	Monthly EPIAS records
01/01/2022 – 31/12/2022	Export to Grid: 144,547.17 MWh Import from Grid: 284.12 MWh Net electricity supplied to grid: 144,263.05 MWh	Monthly EPIAS records
01/01/2023 – 31/03/2023	Export to Grid: 34,178.71 MWh Import from Grid: 95.26 MWh	Monthly EPIAS records

² <https://www.mevzuat.gov.tr/mevzuat?MevzuatNo=6381&MevzuatTur=7&MevzuatTertip=5>

Period	Amount	Compliance check
	Net electricity supplied to grid: 34,083.45 MWh	
Total (16/09/2021 – 31/03/2023)	Export to Grid: 226,516.87 MWh Import from Grid: 456.42 MWh Net electricity supplied to grid: 226,060.45 MWh	Monthly EPIAS records

VVB confirms that the data used for emission reductions are correct. The grid emission factor taken is 0.6482 tCO₂/MWh and the value is same as fixed ex-ante in the registered PDD.

VVB also confirms that the methods and formulae used for calculating baseline emissions are in line with the methodology and the registered PDD. The net electricity generation is multiplied with the grid emission factor to arrive at the emission reductions.

The grid emission factor and data and parameters available before validation are also applied in line with the registered PDD.

Furthermore, double counting issue has also been assessed and the verification team has also checked the I-REC Registry (<https://evident.services/device-register>) and this project is not available within I-REC Registry database. Similarly, VCS project database (<http://vcsprojectdatabase.org/#/home>) and GCC project database (https://projects.globalcarboncouncil.com/pages/submitted_projects) were checked and this project is not available within VCS and GCC projects' databases, either. Given that CDM projects are not applicable in Turkey and the project does not appear on domestic REC scheme, I-REC, VCS and GCC registries, it could be confirmed that no RECs and other VER carbon credits are being issued for the project at the time of this verification.

4.9. Quality of Evidence

According to the PDD, the estimated emission reduction for this monitoring period would be 121,700 tCO₂e corresponding to the monitoring period. However, the project in operation totally reached 146,531 tCO₂e in this period.

The vintage break-up of the emission reductions during the current monitoring period was as follows in Table 4-3 below:

Table 4-3: Emission Reduction Values

Period	Emission reductions (tCO ₂ e)
16/09/2021 – 31/12/2021	30,928
01/01/2022 – 31/12/2022	93,511
01/01/2023 – 31/03/2023	22,092
Total (16/09/2021 – 31/03/2023)	146,531

Calculations have been reproduced by the VVB and the source data (EPIAS records) are presented by PP.

4.10. Management System and Quality Assurance

There are two electricity meters as one main and one back up meter attached to the power plant for measurement of the generated electricity which were installed to the plant. The meters used in the power house are in line with the Energy Market Regulatory Authority (EMRA) requirements for the electricity meters. Both these meters are bi-directional (meter the energy in two directions – consumption and production). If there is a measuring difference between these two meters and one of the parties (TEIAS or the PP) requests for calibration of the meters, in this case, the meters will be calibrated without waiting for the periodical check. This calibration process is made by an accredited party under the control of TEIAS and the PP is not responsible for calibration of the meters in Turkey according to the local standards and requirements.

4.11. Materiality

Verification VVB checked all data set (EPIAS records from 16/09/2021 – 31/03/2023) and each day of production is included in these readings. These readings are exact and are the basis for billing. They are recorded and saved automatically by the relevant government authority and there is no base for any option of material information.

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

4.12. Verification of Sampling Plan

No sampling approach is used.

4.13. Post Registration Changes

4.13.1. Temporary deviations

N/A.

4.13.2. Corrections

N/A.

4.13.3. Changes to the start date of the crediting period

N/A.

4.13.4. Permanent changes

N/A.

4.13.5. Changes to the project design

N/A.

5. LIST OF INDIVIDUALS INTERVIEWED

The list of individuals who were interviewed during the verification period is given in Table 5-1 below:

Table 5-1: List of individuals interviewed

Reference Number	Means of Interview ³	Full Name	Title	Organization
I01	SV	Yüksel Kurt	Mukhtar	Odalıdam Village
I02	SV	Hakkı Çiftçi	Villager	Odalıdam Village
I03	SV	Bedrettin Çiftçi	Villager	Odalıdam Village
I04	SV	Halim Çiftçi	Villager	Odalıdam Village
I05	SV	Fatma Koçtaşlar	Villager	Odalıdam Village
I06	SV	Hayri Çiftçi	Villager	Odalıdam Village
I07	SV	Haliye Koçtaşlar	Villager	Odalıdam Village
I08	SV	Ömür Güven	Business Manager	Eksim Enerji A.Ş.
I09	SV	Yüce Can Yılmaz	Energy Trading Specialist	Eksim Enerji A.Ş.
I10	SV	İlke Kılıç	Consultant	Sekans Danışmanlık
I11	SV	Hakan Sayın	Service Staff	Eksim Enerji A.Ş.
I12	SV	Rıza Özkaya	Operator	Eksim Enerji A.Ş.

³ SV: Site visit; T: Telephone; EM: E-mail, RA: Remote Assessment

6. LIST OF DOCUMENTS REVIEWED

The list of the documents which were reviewed during the verification period is given in Table 6-1 below:

Table 6-1: List of documents reviewed

Document Number	Document Name	Version	Date (dd/mm/yyyy)
D01	Monitoring Report	1	01/05/2023
D02	Monitoring Report	2	15/05/2023
D03	Monitoring Report	3	16/05/2023
D04	ER Calculation Excel Sheet	1	01/05/2023
D05	ER Calculation Excel Sheet	2	15/05/2023
D06	ER Calculation Excel Sheet	3	16/05/2023
D07	Waste Water Disposal Records	-	22/04/2021 10/11/2021 07/04/2022 11/09/2022 22/01/2023
D08	Hazardous Waste Disposal Records	-	2021 2022
D09	“EIA Not Required” Decision	-	27/04/2009
D10	EPIAS Records	-	09/2021 – 03/2023
D11	TEIAS Meter Reading Records/OSF Forms	-	09/2021 – 03/2023
D12	Photographic Evidences of the Electricity Meters	-	-
D13	Social Security Records of the Employees	-	-
D14	Connection Agreement	-	03/08/2009
D15	Noise Report	-	04/2023
D16	Training Records	-	18/01/2022 15/03/2022 07/06/2022 10/01/2023
D17	Photographic Evidences of the Grievance Book	-	-
D18	Electricity Meter Change Protocol	-	02/11/2020
D19	Electricity Meter Test	-	07/03/2022
D20	Generation License	-	17/02/2022
D21	GS Annual Report	-	28/12/2022

Document Number	Document Name	Version	Date (dd/mm/yyyy)
D22	Signed Declaration from the project owner about double counting	-	08/05/2023
D23	KMZ file of the project activity	-	-
D24	Provisional Acceptance Protocols	-	13/02/2011 25/03/2011 22/04/2011 20/05/2011 16/07/2013 13/09/2013 30/05/2017
D25	Design Renewal Review Document	-	-
D26	ACM0002	20.0	28/11/2019
D27	Tool to calculate the emission factor for an electricity system	07.0	31/08/2018
D28	Tool for the demonstration and assessment of additionality	07.0.0	23/11/2012
D29	Tool "Assessment of the validity of the original/current baseline and update of the baseline at the renewal of the crediting period"	03.0.1	02/03/2012
D30	CDM Validation and Verification Standard for project activities version	3.0	09/09/2021
D31	CDM Project Standard for project activities	3.0	09/09/2021
D32	Gold Standard for Global Goals	1.2	-
D33	SDG Impact Tool	-	30/05/2023
D34	Monitoring Report	4	30/05/2023
D35	ER Calculation Excel Sheet	4	30/05/2023
D36	Invoices of VERs Sales	-	-
D37	Registered PDD	8	22/11/2022
D38	Final Validation Report	03	12/12/2022

7. VERIFICATION TEAM AND ITR COMPETENCE

Mr. Rohit BADAYA holds a Master's degree in "Nanotechnology" and a Bachelor's degree in "Pulp and Paper Engineering" from the Indian Institute of Technology Roorkee (IIT Roorkee). He is also an Energy Auditor, certified by the Bureau of Energy Efficiency, Ministry of Power, Govt. of India. Rohit has more than 14 years of work experience in the area of Climate Change (CDM, GS, VCS, GCC) and has worked for various DOEs/VVBs in the capacity of Team Leader, Validator/Verifier, Technical Expert, ITR, Manager (Technical & Certification) and Quality Manager. During his previous work experience, Rohit has worked as a Technical Expert for Technical Areas TA 1.1 (Thermal energy generation from fossil fuels and biomass including thermal electricity from solar), TA 1.2 (Energy generation from renewable energy sources), TA 2.1 (Energy Distribution), TA 3.1 (Energy Demand), TA 13.1 (Waste Handling and Disposal) and TA 13.2 (Manure). Within the context of CDM/GS/VCS/GCC, Rohit has a record of accomplishment of more than 200 projects as Team Leader, Validator, Verifier, Technical Expert and Technical Reviewer. He is well versed with various local regulations related to CDM/GS/VCS/ GCC projects, located in countries in Asia, Africa, Middle East, Asia Pasific as well as in Turkey. With re-carbon, Rohit is a free-lance Team Leader, ITR and a TA 1.1, 1.2, 2.1, 3.1, 13.1, 13.2 expert. Rohit is also a Regional Expert for Bhutan, Brazil, Cambodia, Chile, Democratic Republic of Congo, Egypt, El Salvador, Ethiopia, The Gambia, India, Indonesia, Iran, Kenya, Madagascar, Malawi, Mauritius, Mexico, Morocco, Myanmar, Nepal, Nicaragua, Nigeria, Papua New Guinea (PNG), Republic of Madagascar, Senegal, South Africa, Sri Lanka, Thailand, Türkiye, Uganda, Vietnam and Zambia.

Ms. Selen CİLASUN holds a B.Sc. and a M.Sc. Degree in "Bioengineering". With re-carbon, Selen is an internal Validator/Verifier, a TA 1.2 expert and a Regional Expert for Türkiye.

Ms. Öykü YAKUPOĞLU holds a B.Sc. degree in "Environmental Engineering" from Middle East Technical University/Ankara and currently undergoes a M.Sc. program in "Chemistry". She is experienced in ISO 14001: 2015 - Environment Management System, ISO 50001: 2018- Energy Management System, ISO 45001: 2018 - Occupational Health and Safety, Management System, ISO 9001: 2015 - Quality Management System Internal Auditor, ISO 14001: 2015 - Environment Management System Internal Auditor and an ISO 50001: 2018-Energy Management System Internal Auditor. With re-carbon, Öykü is an internal Team Leader (TA 1.2, 13.1 and 13.2), a Regional Expert for Türkiye (TA 1.2, 13.1 and 13.2) and a trainee validator/verifier for TA 1.1, 2.1, 3.1 and 15.1.

7.1. Appointment Certificates

CERTIFICATE OF APPOINTMENT



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

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

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

This Appointment Certificate is granted on the date of **08.03.2023** by:

Christian Johannes
(General Manager)

This Certificate of Appointment is given to

Mr. Rohit Badaya

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



Gold Standard
Climate Security & Sustainable Development



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



ICR International Carbon Registry

BioCarbon Registry

SECTORAL SCOPE	TECHNICAL AREA	GCC					ICR					BioCarbon				
		VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
SS 01: Energy industries	TA 1.1: Thermal energy generation	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023
	TA 1.2: Renewables	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023
SS 02: Energy distribution	TA 2.1: Energy distribution	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023
SS 03: Energy demand	TA 3.1: Energy demand	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023
SS 13: Waste handling and disposal	TA 13.1: Solid waste and wastewater	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023
	TA 13.2: Manure	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023
SS 15: Agriculture	TA 15.1: Agriculture															

COUNTRY EXPERTISE: Bhutan, Brazil, Cambodia, Chile, Democratic Republic of Congo, Egypt, El Salvador, Ethiopia, The Gambia, India, Indonesia, Iran, Kenya, Madagascar, Malawi, Mauritius, Mexico, Morocco, Myanmar, Nepal, Nicaragua, Nigeria, Papua New Guinea (PNG), Republic of Madagascar, Senegal, South Africa, Sri Lanka, Thailand, Türkiye, Uganda, Vietnam and Zambia

F-C-044 / 23.01.2023 - 00

CERTIFICATE OF APPOINTMENT



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

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

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

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

Christian Johannes
(General Manager)

This Certificate of Appointment is given to

Ms. Öykü Yakupoğlu

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



SECTORAL SCOPE	TECHNICAL AREA	ClimatePartner					Gold Standard					Verified Carbon Standard				
		VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
SS 01: Energy industries	TA 1.1: Thermal energy generation															
	TA 1.2: Renewables					30.05.2022	30.05.2022	30.05.2022	21.12.2022		30.05.2022	30.05.2022	21.12.2022			30.05.2022
SS 02: Energy distribution	TA 2.1: Energy distribution															
SS 03: Energy demand	TA 3.1: Energy demand															
SS 13: Waste handling and disposal	TA 13.1: Solid waste and wastewater					20.02.2023	20.02.2023	20.02.2023	20.02.2023		20.02.2023	20.02.2023	20.02.2023			20.02.2023
	TA 13.2: Manure					20.02.2023	20.02.2023	20.02.2023	20.02.2023		20.02.2023	20.02.2023	20.02.2023			20.02.2023
SS 16: Agriculture	TA 16.1: Agriculture															



SECTORAL SCOPE	TECHNICAL AREA	GCC					ICR					BioCarbon				
		VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
SS 01: Energy industries	TA 1.1: Thermal energy generation															
	TA 1.2: Renewables	30.05.2022	30.05.2022	21.12.2022		30.05.2022	30.05.2022	21.12.2022		30.05.2022	30.05.2022	21.12.2022			30.05.2022	
SS 02: Energy distribution	TA 2.1: Energy distribution															
SS 03: Energy demand	TA 3.1: Energy demand															
SS 13: Waste handling and disposal	TA 13.1: Solid waste and wastewater	20.02.2023	20.02.2023	20.02.2023		20.02.2023	20.02.2023	20.02.2023		20.02.2023	20.02.2023	20.02.2023			20.02.2023	
	TA 13.2: Manure	20.02.2023	20.02.2023	20.02.2023		20.02.2023	20.02.2023	20.02.2023		20.02.2023	20.02.2023	20.02.2023			20.02.2023	
SS 16: Agriculture	TA 16.1: Agriculture															

COUNTRY EXPERTISE: Türkiye (27.05.2022)

F-C-044 / 23.01.2023 - 00

CERTIFICATE OF APPOINTMENT



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

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

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

This Appointment Certificate is granted on the date of **27.02.2023** by:



Christian Johannes
(General Manager)

This Certificate of Appointment is given to

Ms. Selen Cilasan

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



SECTORAL SCOPE	TECHNICAL AREA	Gold Standard					Verified Carbon Standard				
		VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
SS 01: Energy industries	TA 1.1: Thermal energy generation										
	TA 1.2: Renewables					15.10.2022	10.01.2023	10.01.2023			15.10.2022
SS 02: Energy distribution	TA 2.1: Energy distribution										
SS 03: Energy demand	TA 3.1: Energy demand										
SS 13: Waste handling and disposal	TA 13.1: Solid waste and wastewater										
	TA 13.2: Manure										
SS 15: Agriculture	TA 15.1: Agriculture										



SECTORAL SCOPE	TECHNICAL AREA	GCC					ICR					BioCarbon				
		VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
SS 01: Energy industries	TA 1.1: Thermal energy generation															
	TA 1.2: Renewables	27.02.2023	27.02.2023			15.10.2022	27.02.2023	27.02.2023			15.10.2022					15.10.2022
SS 02: Energy distribution	TA 2.1: Energy distribution															
SS 03: Energy demand	TA 3.1: Energy demand															
SS 13: Waste handling and disposal	TA 13.1: Solid waste and wastewater															
	TA 13.2: Manure															
SS 15: Agriculture	TA 15.1: Agriculture															

COUNTRY EXPERTISE:

Türkiye (14.10.2022)

8. VERIFICATION AND CERTIFICATION OPINION

Re Carbon Ltd. performed the 3rd verification of Gold Standard “Balıkesir Susurluk 45 MW Wind Farm Project”, a project with the registry reference number “GS854” for the monitoring period in between 16/09/2021 and 31/03/2023. The scope of our activities covers the verification and the certification of GHG emissions reductions, as reported in the Monitoring Report Version 4 dated 30/05/2023 of “Balıkesir Susurluk 45 MW Wind Farm Project”.

Sekans Danışmanlık is responsible for the preparation of the GHG emissions data and the reported GHG emissions reductions of the project on the basis set out within the project Monitoring Plan as indicated in the final PDD. The development and maintenance of records and reporting procedures in accordance with that plan, including the calculation and determination of GHG emission reductions from the project are under the responsibility of the management of the Project. The development and maintenance of the records and the related monitoring procedures are in accordance with the Monitoring Report Version 3.

The verification was performed by a verification team consisting of “Öykü Yakupoğlu as the Team Leader, Selen Cilasun as the Trainee Team Leader and Rohit Badaya as the ITR”, and the project activity was checked against the applicable rules and regulations of CDM including Section I of CDM Modalities and Procedures, the relevant guidance and decisions of the COP/MOP, CDM EB and CDM Validation and Verification Standard for project activities version 3.0, CDM Project Standard for project activities version 3.0, GS4GG version 1.2.

Re Carbon Ltd. hereby confirm that the project activity “Balıkesir Susurluk 45 MW Wind Farm Project” in Turkey, was implemented in accordance with the validated and registered PDD version 8, dated 22/11/2022. The monitoring system is in place and the emission reductions were calculated without material misstatements as per the applied approved methodology “ACM0002: Grid-connected electricity generation from renewable sources”, version 20.0.

Re Carbon Ltd. confirms the following, based on the results of the document review and the on-site assessment:

Project Title	Balıkesir Susurluk 45 MW Wind Farm Project
Applicable Period	16/09/2021 – 31/03/2023
Baseline Emissions	146,531 tCO ₂ e
Project Emissions	0 tCO ₂ e
Leakage Emissions	0 tCO ₂ e
Emission Reductions	146,531 tCO ₂ e



Öykü YAKUPOĞLU
Team Leader
05/06/2023



Rohit BADAYA
ITR
06/06/2023



Esin TUNALI
Certification Manager
06/06/2023

ANNEX 1: VERIFICATION PROTOCOL

Table 1 –GS-Monitoring Report (MR)-FORM, GS4GG and CDM Verification Requirements

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
Cover Page					
1. Has the following information been provided on the cover page of the MR?	GS4GG-MR-FORM version 1.1	DR	Please correct the upper header of the GS MR template.	CAR-1	OK
1.1. Gold Standard project ID;	GS4GG-MR-FORM version 1.1	DR	This is available as “GS854”.	OK	OK
1.2. Title of the project;	GS4GG-MR-FORM version 1.1	DR	This is available as “Balikesir Susurluk 45 MW Wind Farm Project”.	OK	OK
1.3. Version number of PDD applicable to this monitoring report;	GS4GG-MR-FORM version 1.1	DR	This is available as “8”.	OK	OK
1.4. Version number of the monitoring report;	GS4GG-MR-FORM version 1.1	DR	This is available as “1” for the first submission.	OK	OK
1.5. Completion date of the monitoring report (DD/MM/YYYY);	GS4GG-MR-FORM version 1.1	DR	This is available as “01/05/2023”.	OK	OK
1.6. Date of the project design certification (DD/MM/YYYY);	GS4GG-MR-FORM version 1.1	DR	This is available as “25/06/2012”.	OK	OK
1.7. Date of last annual report;	GS4GG-MR-FORM version 1.1	DR	Please provide the last annual report dated 28/12/2022.	CL-1	OK
1.8. Monitoring period number;	GS4GG-MR-FORM version 1.1	DR	This is available as “3”.	OK	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
1.9. Duration of this monitoring period (DD/MM/YYYY– DD/MM/YYYY);	GS4GG-MR-FORM version 1.1	DR	The monitoring period is available as “16/09/2021 – 31/03/2023”.	OK	OK
1.10. Project representative(s);	GS4GG-MR-FORM version 1.1	DR	Project owner is indicated as “İltek Enerji Yatırım Sanayi ve Ticaret A.Ş.” in the GS Impact Registry. However, in the MR, the project owner is indicated as “Susurluk Enerji A.Ş.”. Please check the difference observed.	CAR-2	OK
1.11. Host country;	GS4GG-MR-FORM version 1.1	DR	This is available as “Turkey”.	OK	OK
1.12. Activity requirements applied;	GS4GG-MR-FORM version 1.1	DR	This is available as “Renewable Energy Activities”.	OK	OK
1.13. Methodology (ies) applied and version number;	GS4GG-MR-FORM version 1.1	DR	This is available as “ACM0002 “Grid-connected electricity generation from renewable sources”, Version 20.0”.	OK	OK
1.14. Product requirements applied;	GS4GG-MR-FORM version 1.1	DR	This is available as “GHG Emissions Reduction & Sequestration”.	OK	OK
2. Has the achieved sustainable development contributions been summarized in Table-1 using the relevant tabular format provided?	GS4GG-MR-FORM version 1.1	DR	The necessary values are included in Table 1 on the cover page.	OK	OK
3. Has the product vintages been included in Table-2 using the relevant tabular format provided?	GS4GG-MR-FORM version 1.1	DR	The vintage values of the emission reductions are included in Table 2 on the cover page.	OK	OK
A. Description of project					
A.1. General description of project					
A.1.1. Has a brief summary of the detailed	GS4GG-MR-FORM	DR	a) Please include the information about additional turbines (their installed capacities and commissioning dates) in	CAR-3	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
description given in the section B.1 provided under section A.1 of the MR?	version 1.1		<p>Section A.1. Please also indicate the equation used to obtain electricity generation values from only 45 MW installed capacity in Section A.1.</p> <p>b) Please provide the provisional acceptance protocols, generation license and EIA decision document of the project activity.</p> <p>c) Please provide the technical documents of the wind turbines (N100 2.5 MW and Nordex N90 2.5 MW).</p>		
A.1.2. Has the purpose of the project and the measures taken to reduce greenhouse gas emissions been provided under section A.1 of the MR?	GS4GG-MR-FORM version 1.1	DR	The purpose of the project activity is included in Section A.1.	OK	OK
A.1.3. Has a brief description of the installed technology and equipments been provided under section A.1 of the MR?	GS4GG-MR-FORM version 1.1	DR	Brief description of the installed capacity is included in Section A.1.	OK	OK
A.1.4. Has the relevant dates for the project activity (e.g. construction, commissioning, continued operation periods, etc.) been provided under section A.1 of the MR?	GS4GG-MR-FORM version 1.1	DR	The milestones of the project activity are included in Section A.1.	OK	OK
A.2. Location of project					
A.2.1. Has complete information on the location of the project activity, including town, city, country, map and GPS coordinates been provided under section A.2 of the MR?	GS4GG-MR-FORM version 1.1	DR	<p>a) In the registered PDD (version 08), the Province is indicated as "Amasya". However, in the MR, it is indicated as "Balikesir". Please correct the contradiction.</p> <p>b) Please provide the KMZ file of the project activity with indicating the wind turbines.</p>	CAR-4	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
A.3. Reference of applied methodology					
A.3.1. Has a complete reference of the methodology, referred tools and standardized baselines, if applicable, applied been provided under section A.3 including the version numbers and titles?	GS4GG-MR-FORM version 1.1	DR	The applied methodology and all applied tools are included in Section A.3.	OK	OK
A.4. Crediting period of project					
A.4.1. Has the crediting period including the crediting period start and end dates, choice and length of the crediting period been provided under section A.4 of the MR?	GS4GG-MR-FORM version 1.1	DR	This is available as “13/02/2018 – 12/02/2025”.	OK	OK
B. Implementation of project					
B.1. Description of implemented project					
1. Has the installed technology(ies), technical process and equipment, including the diagrams, where appropriate, been included in section B.1 of the MR?	GS4GG-MR-FORM version 1.1 CDM project standard for project activities §256a	DR	<ul style="list-style-type: none"> a) Please include the information about additional turbines (their installed capacities and commissioning dates) in Section B.1. Please also indicate the equation used to obtain electricity generation values from only 45 MW installed capacity in Section B.1. b) Please revise the statement “The total annual electricity generation of the project is calculated as 121,939 MWh/year.” in Section B.1 since this value is an estimated value. 	CAR-5	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
			c) Please include the information about electricity meters in Section B.1.		
2. Has the information on the implementation and actual operation of the project activity (including relevant dates, construction, commissioning, continued operation periods etc.) been provided under section B.1 of the MR?	CDM project standard for project activities §256b	DR	Please refer to B.1.1.	CAR-5	OK
3. If the project activity consists of more than one site, has the status of implementation and starting date of operation for each site been clearly described under section B.1 of the MR?	CDM project standard for project activities §256b	DR	N/A	OK	OK
4. If the implementation of the project planned to be realized in different phases, has the progress of the proposed GS project achieved in each phase been indicated under section B.1 of the MR?	CDM project standard for project activities §256b	DR	N/A	OK	OK
5. Do the actual project and its operation comply with the registered PDD?	CDM validation and verification standard for project activities §354a	DR	Please refer to B.1.1.	CAR-5	OK
6. Have the PDs implemented and operated the GS project as per the descriptions contained in the registered PDD?	CDM validation and verification standard for project activities §354b	DR	Please refer to B.1.1.	CAR-5	OK
B.1.1. Forward action requests (FARs) identified during validation and/or previous verification					
B.1.1.1 Is there any remaining FARs from the	GS4GG-MR-	DR	a) Please provide the “GS Design Renewal Review” of the	CAR-6	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
validation and/or previous verification activities?	FORM version 1.1 CDM validation and verification standard for project activities §319c, 395h		project activity. b) Please provide a justification for FAR #1 in Section B.1.1.		
B.1.1.2 If there any remaining FARs from the validation and/or previous verification activities, have the PDs addressed these FARs in the MR?	GS4GG-MR-FORM version 1.1 CDM validation and verification standard for project activities §320	DR	Please refer to B.1.1.1.	CAR-6	OK
B.1.1.3 Has the FARs been resolved?	GS4GG-MR-FORM version 1.1 CDM validation and verification standard for project activities §344d §346	DR	Please refer to B.1.1.1.	CAR-6	OK
B.2. Post design certification (registration) changes					
B.2.1. Temporary deviations from registered monitoring plan, applied methodology or applied standardized baseline					
B.2.1.1 Is it indicated whether any	GS4GG-MR-	DR	N/A	OK	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
temporary deviations have been applied during this monitoring period?	FORM version 1.1 CDM project standard for project activities §231 CDM validation and verification standard for project activities §282				
B.2.1.2 If there are temporary deviations from the registered monitoring plan or applied methodology or standardized baseline, have PDs described the nature, extent and duration of the non-conforming monitoring and the proposed alternative monitoring of the project activity in the MR?	GS4GG-MR-FORM version 1.1 CDM project standard for project activities §231	DR	N/A	OK	OK
B.2.1.3 If there are temporary deviations from the registered monitoring plan or applied methodology or standardized baseline, do the description of deviations include the following?	GS4GG-MR-FORM version 1.1	DR	N/A	OK	OK
B.2.1.3.1 How it deviates from the monitoring plan and/or applied methodology(ies),	GS4GG-MR-FORM version 1.1	DR	N/A	OK	OK
B.2.1.3.2 The duration for which the deviation(s) is(are) applicable	GS4GG-MR-FORM version 1.1	DR	N/A	OK	OK
B.2.1.3.3 Justification on the	GS4GG-MR-	DR	N/A	OK	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
conservativeness of the approach.	FORM version 1.1				
B.2.1.4 If there are temporary deviations from the registered monitoring plan or applied methodology or standardized baseline, have PDs applied conservative assumptions or discount factors to the calculations to the extent required to ensure that GHG emission reductions will not be over-estimated as a result of the deviation?	CDM project standard for project activities §231a CDM validation and verification standard for project activities §284	DR	N/A	OK	OK
B.2.2. Corrections					
B.2.2.1 Has it been indicated whether there are any corrections to project information or parameters fixed at the registration?	GS4GG-MR-FORM version 1.1 CDM validation and verification standard for project activities §288	DR	N/A	OK	OK
B.2.2.2 Is the corrected information an accurate reflection of actual project information?	CDM validation and verification standard for project activities §288a	DR	N/A	OK	OK
B.2.2.3 Are the corrected parameters in accordance with the applied methodology, selected monitoring plan and/or the applied standardized baseline?	CDM validation and verification standard for project activities §288b	DR	N/A	OK	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
B.2.3. Changes to start date of crediting period					
B.2.3.1 Is it indicated whether any changes to the start date of the crediting period?	CDM project standard for project activities §235 §236 CDM validation and verification standard for project activities §290	DR	N/A	OK	OK
B.2.4. Permanent changes from registered monitoring plan, applied methodology or applied standardized baseline					
B.2.4.1 Is it indicated whether any permanent changes from the registered monitoring plan or applied methodologies or standardized baseline?	GS4GG-MR-FORM version 1.1 CDM project standard for project activities §238	DR	N/A	OK	OK
B.2.4.2 If there are such changes, have they been listed providing the version number and completion date of the revised design certified (i.e., approved) PDD for each?	GS4GG-MR-FORM version 1.1	DR	N/A	OK	OK
B.2.4.3 Are the changes to the monitoring	CDM validation and verification	DR	N/A	OK	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
plan contained in the registered PDD in compliance with the applied methodology and, where applicable, the applied standardized baseline?	standard for project activities §296				
B.2.4.4 Do the changes reduce the level of accuracy of the monitoring compared with the requirements contained in the registered monitoring plan?	CDM validation and verification standard for project activities §297	DR	N/A	OK	OK
B.2.4.5 If the permanent changes are likely to lead to a reduction in the accuracy of the calculation of emission reductions, do the PDs apply conservative assumptions or discount factors to the calculations to the extent required to ensure that emission reductions will not be over-estimated as a result of the permanent change?	CDM validation and verification standard for project activities §298	DR	N/A	OK	OK
B.2.5. Changes to project design of approved project					
B.2.5.1 Are there proposed or actual changes to the project design of the approved project?	GS4GG-MR-FORM version 1.1 CDM validation and verification standard for project activities §300	DR	N/A	OK	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
B.2.5.2 Do the actual changes comply with the monitoring plan, the applied monitoring methodology and tools and/or, where applicable, the applied standardized baseline, and/or the level of accuracy of the monitoring activity?	CDM validation and verification standard for project activities §302	DR	N/A	OK	OK
B.2.5.3 Does the revised PDD comply with the applied monitoring methodology and tools and/or standardized baseline or any later version of the methodology and/or standardized baseline or the requirements of another methodology and/or the standardized baseline that is applicable to the project activity?	CDM validation and verification standard for project activities §303	DR	N/A	OK	OK
B.2.5.4 Does the changes to project activity include the following?	CDM project standard for project activities §241	DR	N/A	OK	OK
B.2.5.4.1 Increase in the capacity specified in the registered PDD with the following conditions:	CDM project standard for project activities §241a	DR	N/A	OK	OK
B.2.5.4.1.1 If the project activity is large-scale: CERs may be claimed up to an amount calculated based on the increased capacity by 20 per cent of the capacity specified in the originally registered PDD; or	CDM project standard for project activities §241a (i)a	DR	N/A	OK	OK
B.2.5.4.1.2 If the project activity is large-scale: CERs may be claimed for	CDM project standard for project	DR	N/A	OK	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
the full amount calculated based on the increased capacity if the project developers can demonstrate that the reason for the increase is not within the control of the project developers;	activities §241a (i)b				
B.2.5.4.1.3 If the project activity is small-scale, CERs may be claimed for the full amount calculated based on the increased capacity, provided that the resulting project activity does not exceed the small-scale threshold for the corresponding small-scale project type (i.e., Type I, II or III);	CDM project standard for project activities §241a (ii)	DR	N/A	OK	OK
B.2.5.4.2 Decrease in the capacity specified in the registered PDD;	CDM project standard for project activities §241b	DR	N/A	OK	OK
B.2.5.4.3 Addition of new components or extension/addition of technologies/measures that introduce complimentary technologies/measures involving mass and/or energy transfer to/from the technologies/measures specified in the originally registered PDD;	CDM project standard for project activities §241c	DR	N/A	OK	OK
B.2.5.4.4 Removal of a component or technology/measure specified in the registered PDD;	CDM project standard for project activities §241d	DR	N/A	OK	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
B.2.5.4.5 Changes to the technologies/measures that result in the same technologies/measures as in the originally registered technologies/measures	CDM project standard for project activities §241e	DR	N/A	OK	OK
B.2.5.4.6 Removal or addition of one or more site(s) of the project activity registered with multiple sites;	CDM project standard for project activities §241f	DR	N/A	OK	OK
B.2.5.4.7 Removal of a project activity from a bundle of small-scale CDM project activities; methodologies, or voluntary change to other methodologies, provided all requirements in the updated/changed methodologies are met.	CDM project standard for project activities §241g	DR	N/A	OK	OK
B.2.5.4.8 Actual operational parameters that are within the control of the project developers, differing from the expected parameters;	CDM project standard for project activities §241h	DR	N/A	OK	OK
B.2.5.4.9 Any consequential changes to the application of methodologies, standardized baselines and/or other methodological regulatory documents resulting from the changes referred to in questions B.2.6.7.1-B.2.6.7.4 above	CDM project standard for project activities §241i	DR	N/A	OK	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
B.2.5.4.10 Voluntary update of the applied methodologies or the other applied methodological regulatory documents to a later valid version of them, or voluntary change to other methodologies, provided all requirements in the updated/changed methodologies and the other applied methodological regulatory documents are met	CDM project standard for project activities §241j	DR	N/A	OK	OK
B.2.5.5 Do the PDs report in the revised PDD the impacts of the proposed or actual changes to the registered project activity on the following:	CDM project standard for project activities §242	DR	N/A	OK	OK
B.2.5.5.1 The applicability and application of the applied methodology and, where applicable, the applied standardized baseline under which the project activity has been registered;	CDM project standard for project activities §242a CDM validation and verification standard for project activities §303a	DR	N/A	OK	OK
B.2.5.5.2 Compliance of the monitoring plan with the applied methodology and, where applicable, the applied standardized baseline;	CDM project standard for project activities §242c CDM validation and verification standard for project activities §303c	DR	N/A	OK	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
B.2.5.5.3 The level of accuracy and completeness in the monitoring of the project activity;	CDM project standard for project activities §242d CDM validation and verification standard for project activities §303d	DR	N/A	OK	OK
B.2.5.5.4 The additionality of the project activity;	CDM project standard for project activities §242e CDM validation and verification standard for project activities §303e	DR	N/A	OK	OK
B.2.5.5.5 The scale of the project activity.	CDM project standard for project activities §242f CDM validation and verification standard for project activities §303f	DR	N/A	OK	OK
B.2.5.6 In the case of investment analysis, have PDs modified the key parameters in the original spreadsheet calculations affected by the proposed or actual modifications to the project activity?	CDM project standard for project activities §243a CDM validation and verification standard for project	DR	N/A	OK	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
	activities §304a				
B.2.5.7 In cases where only barriers have been claimed to demonstrate additionality, have PDs demonstrated that the barriers are still valid under the new circumstances?	CDM project standard for project activities §243b CDM validation and verification standard for project activities §304b	DR	N/A	OK	OK
B.2.5.8 If the PDs can't demonstrate compliance with the requirements of the applied methodology and, where applicable, the applied standardized baseline under which the project activity has been registered, has PDs revised the PDD applying the latest version of the methodology and, where applicable, the applied standardized baseline?	CDM project standard for project activities §245a (i)	DR	N/A	OK	OK
B.2.5.9 If another methodology and, where applicable, the applied standardized baseline is applied to the project activity, has PDs demonstrated compliance with the requirements of the selected methodology and/or the selected standardized baseline?	CDM project standard for project activities §245a-(ii)	DR	N/A	OK	OK
C. Description of monitoring system applied by the project					

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
C.1. Has a description of the monitoring system been provided under section C of the MR?	GS4GG-MR-FORM version 1.1 CDM project standard for project activities §258	DR	<ul style="list-style-type: none"> a) Please indicate that the meter test dated 02/11/2020 is also a meter change in Section C. b) Please provide the meter tests of the current monitoring period, if any. Also, please include these dates in Section C. c) Please include the calibration frequency of the electricity meters with indicating the reference source in Section C. 	CAR-7	OK
C.2. Has information about the data collection procedures, including following been provided under section C of the MR?	GS4GG-MR-FORM version 1.1 CDM project standard for project activities §258	DR	Please see below.		
C.2.1. Information flow including data generation	CDM project standard for project activities §258	DR	This is available.	OK	OK
C.2.2. Data aggregation	CDM project standard for project activities §258	DR	This is available.	OK	OK
C.2.3. Data recording	CDM project standard for project activities §258	DR	This is available.	OK	OK
C.2.4. Data calculation	CDM project standard for project activities §258	DR	N/A	OK	OK
C.2.5. Data reporting	CDM project standard for project activities §258	DR	This is available.	OK	OK
C.3. Has organizational structure, roles and responsibilities of personnel, and emergency procedures for the monitoring system been provided under section C of the MR?	GS4GG-MR-FORM version 1.1 CDM project standard for	DR	The organizational structure and the roles and responsibilities of the employees are included in Section C.	OK	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
	project activities §258				
C.4. Regarding to the management and operational system, are the responsibilities and authorities for monitoring and reporting in accordance with the responsibilities and authorities stated in the monitoring plan?	CDM validation and verification standard for project activities §361b-(iv)	DR	The organizational structure and the roles and responsibilities of the employees are included in Section C.	OK	OK
C.5. Have quality assurance and quality control procedures been applied in accordance with the monitoring plan?	CDM validation and verification standard for project activities §361e	DR	Please refer to C.1.	CAR-7	OK
C.6. Has line diagram(s) showing all relevant monitoring points been provided under section C of the MR?	CDM project standard for project activities §258	DR	N/A	OK	OK
C.7. Have the monitoring plan been properly implemented and followed by the PDs?	CDM validation and verification standard for project activities §361a	DR	The monitoring plan has been properly implemented.	OK	OK
C.8. Has the monitoring of parameters (baseline / project / leakage / emission reduction) in the project activity been implemented in accordance with the monitoring plan contained in the registered PDD or any accepted revised monitoring plan?	CDM validation and verification standard for project activities §361b-(i)-(ii)-(iii)	DR	The monitoring plan contains all ex-post parameters.	OK	OK
C.9. Have all parameters stated in the monitoring plan, the applied methodology and relevant CDM EB decisions been sufficiently monitored and updated as applicable?	CDM validation and verification standard for project activities §361b	DR	All parameters have been sufficiently monitored.	OK	OK
C.10. Are monitoring results consistently recorded	CDM validation	DR	The monitoring results are consistently recorded and stored.	OK	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
and stored as per the approved frequency?	and verification standard for project activities §361d				
D. Data and Parameters					
D.1. Data and parameters fixed ex ante or at renewal of crediting period					
D.1.1. Has all the data that is determined only once for the crediting period but are used after registration of the project, been listed under section D.1 using the tabular format?	GS4GG-MR-FORM version 1.1	DR	All ex-ante parameters are included in Section D.1.	OK	OK
D.1.2. If all the data that is determined only once for the crediting period but are used after registration of the project, does the listed data include all the parameters used to calculate baseline, project and leakage emissions as well as other relevant parameters required by the approved methodology and the monitoring plan?	GS4GG-MR-FORM version 1.1	DR	This is in line with the registered PDD.	OK	OK
D.1.3. In the data/parameter tables provided under section D.1 of the MR, for each SDG Indicator given in accordance with the approved PDD?	GS4GG-MR-FORM version 1.1	DR	This is in line with the registered PDD.	OK	OK
D.1.4. In the data/parameter tables provided under section D.1 of the MR, for each	GS4GG-MR-FORM	DR	This is in line with the registered PDD.	OK	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
data has the name of the data/parameters given in accordance with the approved PDD and the applied approved methodology?	version 1.1				
D.1.5. In the data/parameter tables provided under section D.1 of the MR, for each data has the unit of the data/parameters given in accordance with the approved PDD and the applied approved methodology?	GS4GG-MR-FORM version 1.1	DR	This is in line with the registered PDD.	OK	OK
D.1.6. In the data/parameter tables provided under section D.1 of the MR, for each data has the description of the data/parameters given in accordance with the approved PDD and the applied approved methodology?	GS4GG-MR-FORM version 1.1	DR	This is in line with the registered PDD.	OK	OK
D.1.7. In the data/parameter tables provided under section D.1 of the MR, for each data has the source of the data/parameters given in accordance with the approved PDD and the applied approved methodology?	GS4GG-MR-FORM version 1.1	DR	This is in line with the registered PDD.	OK	OK
D.1.8. In the data/parameter tables provided under section D.1 of the MR, for each data has the values applied of the data/parameters given in accordance with the approved PDD and the applied approved methodology?	GS4GG-MR-FORM version 1.1	DR	This is in line with the registered PDD.	OK	OK
D.1.9. In the data/parameter tables provided under section D.1 of the MR, for each	GS4GG-MR-FORM	DR	This is in line with the registered PDD.	OK	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
data has it been indicated what measurement methods and procedures have been used?	version 1.1				
D.1.10. In the data/parameter tables provided under section D.1 of the MR, for each data has it been indicated what the data/parameters are used for (baseline/project/leakage emission calculations)?	GS4GG-MR-FORM version 1.1	DR	This is in line with the registered PDD.	OK	OK
D.2. Data and parameters monitored					
D.2.1. Has all the data that are monitored been listed under section D.2 of the MR using the tabular format?	GS4GG-MR-FORM version 1.1	DR	<ul style="list-style-type: none"> a) The unit of “ER_y” is indicated as “tCO₂/y” in the registered PDD. Please revise the relevant unit in Section D.2. b) Please include the reference link for the calibration frequency in Section D.2. c) In “Value(s) Applied” row of “Number of employments”, 18 employees are stated. However, it is stated that there are 19 employees. Please correct this contradiction in Section D.2. d) Please provide the social security records of the employees. e) “Monitoring Frequency” of “Number of employments” is indicated as “once for each monitoring period” in the registered PDD. f) Training records other than those indicated in Section D.2 are provided as well. Please include all training records in Section D.2. g) Please include the vintage values of the emission reductions in Section D.2. 	CAR-8	OK
D.2.2. In the data/parameter tables provided under section D.2 of the MR, for each data has the name of the SDG Indicator and data/parameters given	GS4GG-MR-FORM version 1.1	DR	All ex-post parameters are included in Section D.2.	OK	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
in accordance with the approved PDD and the applied approved methodology?					
D.2.3. In the data/parameter tables provided under section D.2 of the MR, for each data has the unit of the data/parameters given in accordance with the registered PDD and the applied approved methodology?	GS4GG-MR-FORM version 1.1	DR	Please refer to D.2.1.	CAR-8	OK
D.2.4. In the data/parameter tables provided under section D.2 of the MR, for each data has it been described how the data is monitored?	GS4GG-MR-FORM version 1.1	DR	All descriptions are included in Section D.2.	OK	OK
D.2.5. In the data/parameter tables provided under section D.2 of the MR, for each data has the source of data been indicated (like logbooks, daily records, surveys, etc.)?	GS4GG-MR-FORM version 1.1	DR	All data sources are included in Section D.2.	OK	OK
D.2.6. In the data/parameter tables provided under section D.2 of the MR, for each data has the values of the monitoring parameter been indicated?	GS4GG-MR-FORM version 1.1	DR	Please refer to D.2.1.	CAR-8	OK
D.2.7. In the data/parameter tables provided under section D.2 of the MR, for each data has the QA/QC procedures being applied been given?	GS4GG-MR-FORM version 1.1	DR	All QA/QC procedures are included in Section D.2.	OK	OK
D.2.8. In the data/parameter tables provided	GS4GG-MR-	DR	All monitoring equipment are included in Section D.2.	OK	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
under section D.2 of the MR, for each data has it been indicated what types of equipment are used to monitor each parameter, including following, if applicable as per the monitoring plan?	FORM version 1.1				
D.2.8.1 Details on accuracy class	GS4GG-MR-FORM version 1.1	DR	This is available.	OK	OK
D.2.8.2 Calibration frequency	GS4GG-MR-FORM version 1.1	DR	Please refer to D.2.1.	CAR-8	OK
D.2.8.3 Serial number	GS4GG-MR-FORM version 1.1	DR	This is available.	OK	OK
D.2.8.4 Calibration date	GS4GG-MR-FORM version 1.1	DR	This is available.	OK	OK
D.2.8.5 Validity of the calibration	GS4GG-MR-FORM version 1.1	DR	This is available.	OK	OK
D.2.9. In the data/parameter tables provided under section D.2 of the MR, for each data has the measurement and recording frequency been indicated?	GS4GG-MR-FORM version 1.1	DR	Please refer to D.2.1.	CAR-8	OK
D.2.10. Is the calibration frequency for measuring equipments specified in the monitoring methodology, in the applied standardized baselines or in the monitoring plan?	CDM validation and verification standard for project activities §370	DR	10 years	OK	OK
D.2.11. If the calibration frequency for measuring equipments isn't specified in the monitoring methodology, in the	CDM validation and verification standard for project	DR	N/A	OK	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
applied standardized baselines or the monitoring plan, are the equipments calibrated either in accordance with the specifications of the local/national standards, or as per the manufacturer's specification?	activities §370				
D.2.12. If neither local/national standards nor the manufacturer's specification are available, have the international standards been used?	CDM validation and verification standard for project activities §370	DR	N/A	OK	OK
D.2.13. Is the calibration of the measuring equipment that have an impact on the claimed emission reductions conducted by the PDs at a frequency specified in the applied monitoring methodology and/or the monitoring plan?	CDM validation and verification standard for project activities §371	DR	N/A	OK	OK
D.2.14. Has the calibration been delayed and has the calibration been implemented after the monitoring period in consideration (i.e., the results of delayed calibration are available) for the certain monitoring period?	CDM validation and verification standard for project activities §366	DR	N/A	OK	OK
D.2.15. If the calibration is delayed and if the calibration is implemented after the monitoring period in consideration (i.e., the results of delayed calibration are available) for the certain monitoring period, are one of the following approaches adopted by the PDs for the calculation of emission	CDM validation and verification standard for project activities §366	DR	N/A	OK	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
reductions?					
D.2.15.1 Applying the maximum permissible error of the instrument to the measured values taken during the period between the scheduled date of calibration and the actual date of calibration, if the results of the delayed calibration do not show any errors in the measuring equipment, or if the error is smaller than the maximum permissible error; or	CDM validation and verification standard for project activities §366a	DR	N/A	OK	OK
D.2.15.2 Applying the error identified in the delayed calibration test, if the error is beyond the maximum permissible error of the measuring equipment.	CDM validation and verification standard for project activities §366b	DR	N/A	OK	OK
D.2.16. If calibration is delayed and if the calibration is implemented after the monitoring period in consideration (i.e. the results of delayed calibration are available) for the certain monitoring period, has the error been applied in following ways?	CDM validation and verification standard for project activities §367	DR	N/A	OK	OK
D.2.16.1 The adjusted measured values of the delayed calibration result in fewer claimed emission reductions?	CDM validation and verification standard for project activities §367a	DR	N/A	OK	OK
D.2.16.2 For all measured values taken during the period between the scheduled date of calibration and the actual	CDM validation and verification standard for project activities	DR	N/A	OK	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
date of calibration?	§367b				
D.2.17. If the results of the delayed calibration aren't available, have Pss calculated the emission reductions conservatively?	CDM validation and verification standard for project activities §368	DR	N/A	OK	OK
D.2.18. If the results of the delayed calibration aren't available, have post registration requirements been followed by the PDs?	CDM validation and verification standard for project activities §369	DR	N/A	OK	OK
D.2.19. Have any information about appropriate emission factors, IPCC default values and any other reference values that have been used in the calculation of emission reductions been given in detail in the MR?	GS4GG-MR-FORM version 1.1	DR	N/A	OK	OK
D.2.20. If the data that are monitored been listed under section D.2 using the tabular format, does the listed data include all the parameters used to calculate baseline, project and leakage emissions as well as other relevant parameters required by the approved methodology and, where applicable, the applied standardized baseline and the monitoring plan?	GS4GG-MR-FORM version 1.1 CDM project standard for project activities §259	DR	All ex-post parameters are included in Section D.2.	OK	OK
D.2.21. Is a complete set of data available for the specified monitoring period?	CDM validation and verification standard for project activities §373	DR	All ex-post parameters are included in Section D.2.	OK	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
D.3. Comparison of monitored parameters with last monitoring period					
D.3.1. In case of community service activities, has the monitored parameters been stated and compared with the previous monitoring period?	GS4GG-MR-FORM version 1.1	DR	Since the project is not community service project, this section is non-applicable.	OK	OK
D.3.2. In case of community service activities, has the short explanation for any values that have increased or are less conservative been provided?	GS4GG-MR-FORM version 1.1	DR	Since the project is not community service project, this section is non-applicable.	OK	OK
D.4. Implementation of sampling plan					
D.4.1. If data and parameters monitored described in section D.2 of the MR are determined by a sampling approach, has the description on how PDs implemented the sampling for those data and parameters according to the sampling plan been provided?	GS4GG-MR-FORM version 1.1 CDM Standard: Sampling and surveys for CDM project activities and programmes of activities CDM Guideline: Sampling and surveys for CDM project activities and programmes of activities	DR	N/A (Sampling approach is not used.)	OK	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
<p>D.4.2. If data and parameters monitored described in section D.2 of the MR are determined by a sampling approach, has the following been included?</p>	<p>GS4GG-MR-FORM version 1.1 CDM Standard: Sampling and surveys for CDM project activities and programmes of activities §29 §30 §31 §32 §33 §39</p>	<p>DR</p>	<p>N/A (Sampling approach is not used.)</p>	<p>OK</p>	<p>OK</p>
<p>D.4.2.1 Description of implemented sampling design;</p>	<p>GS4GG-MR-FORM version 1.1</p>	<p>DR</p>	<p>N/A (Sampling approach is not used.)</p>	<p>OK</p>	<p>OK</p>
<p>D.4.2.2 Collected data (electronic spreadsheets may be attached and referenced);</p>	<p>GS4GG-MR-FORM version 1.1</p>	<p>DR</p>	<p>N/A (Sampling approach is not used.)</p>	<p>OK</p>	<p>OK</p>
<p>D.4.2.3 Analysis of the collected data;</p>	<p>GS4GG-MR-FORM version 1.1</p>	<p>DR</p>	<p>N/A (Sampling approach is not used.)</p>	<p>OK</p>	<p>OK</p>
<p>D.4.2.4 Demonstration on whether the required confidence/precision has been met.</p>	<p>GS4GG-MR-FORM version 1.1</p>	<p>DR</p>	<p>N/A (Sampling approach is not used.)</p>	<p>OK</p>	<p>OK</p>
<p>D.4.2.5 Demonstration that the samples were randomly selected and are representative of the population.</p>	<p>GS4GG-MR-FORM version 1.1</p>	<p>DR</p>	<p>N/A (Sampling approach is not used.)</p>	<p>OK</p>	<p>OK</p>
<p>E. Calculation of SDG Impacts</p>					

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
E.1. Calculation of baseline value or estimation of baseline situation of each SDG impact					
E.1.1. Has all the formulae used to calculate the baseline value been provided under section E.1 of the MR?	GS4GG-MR-FORM version 1.1	DR	<ul style="list-style-type: none"> a) Please re-evaluate the calculation “BE_y = 121,939 * 0.6482 = 79,040 tCO₂” in Section E.1 since this calculation is related to the estimation. b) Please include the information about “Adjusted net electricity supplied to the grid [MWh] (E) = (D) - (B)” in Section E.1. c) If there are 2 meters in total in the power plant, please explain how the electricity generation values of the first 18 turbines and the additional 11 turbines are separated (For T19-T29 turbines, separate electricity generation values from the SCADA system are given in “Baseline Emissions” Excel sheet.). 	CAR-9	OK
E.1.2. Has sample calculations for all formulae used and calculation of baseline values been provided under section E.1 of the MR?	GS4GG-MR-FORM version 1.1	DR	Please refer to E.1.1.	CAR-9	OK
E.1.3. Has all electronic spreadsheets to present full calculations in the monitoring report been attached?	GS4GG-MR-FORM version 1.1	DR	Please refer to E.1.1.	CAR-9	OK
E.1.4. Have any assumptions used in baseline calculations been justified?	CDM validation and verification standard for project activities §373d	DR	N/A	OK	OK
E.1.5. If applicable, are the appropriate factors used for the baseline calculations in line with the good guidance practices? (e.g., IPCC default	CDM validation and verification standard for project activities §373e	DR	N/A (The grid emission factor has been calculated and determined during the validation process).	OK	OK

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

Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
values and other reference values)					
E.2. Calculation of project value or estimation of project situation of each SDG outcome					
E.2.1. Has all the formulae used to calculate the project value been provided under section E.2 of the MR?	GS4GG-MR-FORM version 1.1	DR	a) Please revise the statement “Project emissions apply only for geothermal power plants, solar thermal power plants and for some hydro power plants.” in Section E.2. b) Please include the project emission values in the ER Excel sheet in monthly basis.	CAR-10	OK
E.2.2. Has sample calculations for all formulae used and calculation of project values been provided under section E.2 of the MR?	GS4GG-MR-FORM version 1.1	DR	Sample calculations are included in Section E.2.	OK	OK
E.2.3. Has all electronic spreadsheets to present full calculations in the monitoring report been attached?	GS4GG-MR-FORM version 1.1	DR	Please refer to E.2.1.	CAR-10	OK
E.2.4. Have any assumptions used in project calculations been justified?	CDM validation and verification standard for project activities §373d	DR	N/A	OK	OK
E.2.5. If applicable, are the appropriate factors used for the project calculations in line with the good guidance practices? (e.g., IPCC default values and other reference values)	CDM validation and verification standard for project activities §373e	DR	N/A (The grid emission factor has been calculated and determined during the validation process).	OK	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
E.3. Calculation of leakage					
E.3.1. Has all the formulae used to calculate the leakage value been provided under section E.3 of the MR?	GS4GG-MR-FORM version 1.1	DR	Please include the leakage emission values in the ER Excel sheet in monthly basis.	CAR-11	OK
E.3.2. Has sample calculations for all formulae used and calculation of leakage values been provided under section E.3 of the MR?	GS4GG-MR-FORM version 1.1	DR	The leakage emission value is taken as zero.	OK	OK
E.3.3. Has all electronic spreadsheets to present full calculations in the monitoring report been attached?	GS4GG-MR-FORM version 1.1	DR	Please refer to E.3.1.	CAR-11	OK
E.3.4. Have any assumptions used in leakage calculations been justified?	CDM validation and verification standard for project activities §373d	DR	N/A	OK	OK
E.3.5. If applicable, are the appropriate factors used for the leakage calculations in line with the good guidance practices? (e.g., IPCC default values and other reference values)	CDM validation and verification standard for project activities §373e	DR	N/A (The grid emission factor has been calculated and determined during the validation process).	OK	OK
E.4. Calculation of net benefits or direct calculation for each SDG impact					
E.4.1. Has all the net benefits as difference of baseline and project values or direct calculations for each SDG outcome	GS4GG-MR-FORM version 1.1	DR	a) Please include the emission reduction values in the ER Excel sheet in monthly basis with using the proper formula (ER=BE-PE-LE).	CAR-12	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
provided under section E.4 of the MR?			b) Please re-evaluate Section E.4.		
E.4.2. Has all electronic spreadsheets to present full calculations in the monitoring report been attached?	GS4GG-MR-FORM version 1.1	DR	Please refer to E.4.1.	CAR-12	OK
E.5. Comparison of actual SDG impacts with estimates in approved PDD					
E.5.1. Has a comparison of actual values of the SDG impact of the project achieved during the monitoring period with the estimations in the approved PDD been given under section E.5 of the MR?	GS4GG-MR-FORM version 1.1 CDM project standard for project activities §267	DR	Section E.5 and Section E.5.1 are completed.	OK	OK
E.5.2. If the comparison of actual values of the SDG outcome of the project achieved during the monitoring period with the estimations in the approved PDD is given under section E.5 of the MR, has this comparison been given using the tabular format provided?	GS4GG-MR-FORM version 1.1	DR	Section E.5 and Section E.5.1 are completed.	OK	OK
E.6. Remarks on difference from estimated value in approved PDD					
E.6.1. Has an explanation of the cause of any increase in the actual values achieved during the current monitoring period (e.g. higher water availability, higher	GS4GG-MR-FORM version 1.1	DR	Section E.6 is completed.	OK	OK

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
load plant factor, etc.), including all information (i.e. data and/or parameters) that is different from that stated in the approved PDD, been provided under section E.6 of the MR?					
F. Safeguards Reporting					
F.1. Has the report on the safeguarding principles that were available the in monitoring plan been provided including the following?	GS4GG-MR-FORM version 1.1	DR	No safeguarding principle is monitored as per the registered PDD.	OK	OK
F.1.1. An update on the implementation including information on relative success and failures, or improvements to proposed mitigation measures	GS4GG-MR-FORM version 1.1	DR	No safeguarding principle is monitored as per the registered PDD.	OK	OK
F.1.2. Monitoring and reporting on any key indicators identified, including against pre-set tolerances	GS4GG-MR-FORM version 1.1	DR	No safeguarding principle is monitored as per the registered PDD.	OK	OK
F.1.3. Information on any assessment questions answered 'potentially' or where requirements call for regular re-assessment	GS4GG-MR-FORM version 1.1	DR	No safeguarding principle is monitored as per the registered PDD.	OK	OK
G. Stakeholder Inputs and Legal Disputes					
G.1. List all inputs and grievances which have been received via the continuous input and grievance mechanism together with their respective responses/mitigations					

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Question	Reference	Means of verification*	Findings, comments, references and document sources	Draft opinion	Final opinion
G.1.1. Is the list of all inputs/grievances which have been received for the project during the monitoring period together with their respective answers/actions provided in section G.1 of the MR?	GS4GG-MR-FORM version 1.1	DR	Section G.1 is completed.	OK	OK
G.2. Report on any stakeholder mitigations that were agreed to be monitored					
G.2.1. If there any remaining inputs/grievances from previous monitoring period where follow up action/mitigation measure is to be verified in this monitoring period from the validation and/or previous verification activities, have the PDs addressed these in section G.2 of the MR?	GS4GG-MR-FORM version 1.1	DR	Section G.2 is completed.	OK	OK
G.3. Provide details of any legal contest that has arisen with the project during the monitoring period					
G.3.1. Has there been any legal contest or dispute that has arisen with the project during the monitoring period and are such details and resolution provided in section G.3 of the MR?	GS4GG-MR-FORM version 1.1	DR	Please provide a signed and sealed letter from the project owner about double counting.	CL-2	OK

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Table 2 – Resolution of Corrective Action, Forward Action and Clarification Requests

Draft Report Clarifications, Forward Action and Corrective Action Requests By Verification Team	Ref. to Checklist Questions in Table-1	Summary of Project Developers' Response	Verification Team Conclusion
<p>CAR-1 Please correct the upper header of the GS MR template.</p>	<p>1</p>	<p>The upper header of the GS MR template has been corrected.</p>	<p>Review-1: Ok Closed (The upper header was corrected.)</p>
<p>CAR-2 Project owner is indicated as “İltek Enerji Yatırım Sanayi ve Ticaret A.Ş.” in the GS Impact Registry. However, in the MR, the project owner is indicated as “Susurluk Enerji A.Ş.”. Please check the difference observed.</p>	<p>1.10</p>	<p>The company has been grouped under Eksim Enerji A.Ş. by the same project owner. This situation has been included in MR.</p> <p>Review-1: Section A.1 and footnote have been revised with the necessary and correct explanations.</p>	<p>Review-1: Please re-evaluate Section A.1 on this aspect since “Eksim Enerji A.Ş.” is indicated in Section A.1 and in the footnote it is stated “The company has been grouped under Eksim Enerji A.Ş. by the same project owner.”.</p> <p>Review-2: Ok Closed (Section A.1 was revised accordingly.)</p>
<p>CAR-3 a) Please include the information about additional turbines (their installed capacities and commissioning dates) in Section A.1. Please also indicate the equation used to obtain electricity generation values from only 45 MW installed capacity capacity in Section A.1. b) Please provide the provisional acceptance protocols, generation license and EIA decision document of the project activity. c) Please provide the technical documents of the wind turbines (N100 2.5 MW and Nordex N90 2.5 MW).</p>	<p>A.1.1</p>	<p>a) The information about additional turbines and the equation used to obtain electricity generation values from only 45 MW installed capacity capacity have been included in Section A.1. b) They have been provided to the VVB. c) They have been provided.</p> <p>Review-1: b) They have been provided. c) Reference link has been included in Section A.1.</p>	<p>Review-1: a) Ok Closed (The relevant information was included in Section A.1.) b) Please provide the provisional acceptance protocol. c) Please provide the technical documents of the wind turbines (N100 2.5 MW and Nordex N90 2.5 MW).</p> <p>Review-2: b) Ok Closed (Provisional acceptance protocols were provided.) c) Ok Closed (The reference link was</p>

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

Draft Report Clarifications, Forward Action and Corrective Action Requests By Verification Team	Ref. to Checklist Questions in Table-1	Summary of Project Developers' Response	Verification Team Conclusion
<p>CAR-4</p> <p>a) In the registered PDD (version 08), the Province is indicated as "Amasya". However, in the MR, it is indicated as "Balikesir". Please correct the contradiction.</p> <p>b) Please provide the KMZ file of the project activity with indicating the wind turbines.</p>	<p>A.2.1</p>	<p>a) There was a typo in PDD, the province of the project is Balikesir.</p> <p>b) It's been provided.</p>	<p>included.)</p> <p>Review-1: a) Ok Closed (The clarification was made.) b) Ok Closed (The KMZ file was provided.)</p>
<p>CAR-5</p> <p>a) Please include the information about additional turbines (their installed capacities and commissioning dates) in Section B.1. Please also indicate the equation used to obtain electricity generation values from only 45 MW installed capacity in Section B.1.</p> <p>b) Please revise the statement "The total annual electricity generation of the project is calculated as 121,939 MWh/year." in Section B.1 since this value is an estimated value.</p> <p>c) Please include the information about electricity meters in Section B.1.</p>	<p>B.1.1</p>	<p>a) Section B.1 has been revised.</p> <p>b) The statement has been revised.</p> <p>c) The information of electricity meters has been included in Section B.1.</p> <p>Review-1: 30th unit does not yet provide electrical generation to the project, so it has not been considered.</p>	<p>Review-1: a) In the generation license, there are 30 wind turbines. Also, "The installed capacity of the project has been raised to 75 MWm/72.5 MWe with the revision" is indicated in Section A.1. However, this installed capacity (72.5 MWe) belongs to 30 wind turbines as per the generation license. Please check the differences observed.</p> <p>b) Ok Closed (The relevant statement was revised in Section B.1.)</p> <p>c) Ok Closed (The meter details were included in Section B.1.)</p> <p>Review-2: a) Ok Closed (The clarification was made.)</p>
<p>CAR-6</p> <p>a) Please provide the "GS Design Renewal Review" of the project activity.</p> <p>b) Please provide a justification for FAR #1 in Section B.1.1.</p>	<p>B.1.1.1</p>	<p>a) The "GS Design Renewal Review" of the project activity has been provided to the VVB.</p> <p>b) A justification for FAR #1 has been included in Section B.1.1.</p> <p>Review-1:</p>	<p>Review-1: a) Please provide the "GS Design Renewal Review" of the project activity. b) Ok Closed (The justification was included.)</p>

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

Draft Report Clarifications, Forward Action and Corrective Action Requests By Verification Team	Ref. to Checklist Questions in Table-1	Summary of Project Developers' Response	Verification Team Conclusion
		"GS Design Renewal Review" has been provided to the VVB.	Review-2: a) Ok Closed (The relevant document was provided.)
<p>CAR-7</p> <p>a) Please indicate that the meter test dated 02/11/2020 is also a meter change in Section C.</p> <p>b) Please provide the meter tests of the current monitoring period, if any. Also, please include these dates in Section C.</p> <p>c) Please include the calibration frequency of the electricity meters with indicating the reference source in Section C.</p>	C.1	<p>a) Section C has been revised.</p> <p>b) All meter tests of the current monitoring period have been provided to the VVB and included in Section C.</p> <p>c) The calibration frequency of the electricity meters with indicating the reference source has been included in Section C.</p>	<p>Review-1:</p> <p>a) Ok Closed (The relevant information was included in Section C.)</p> <p>b) Ok Closed (All meter tests were provided.)</p> <p>c) Ok Closed (The relevant information was included in Section C.)</p>
<p>CAR-8</p> <p>a) The unit of "ERy" is indicated as "tCO2/y" in the registered PDD. Please revise the relevant unit in Section D.2.</p> <p>b) Please include the reference link for the calibration frequency in Section D.2.</p> <p>c) In "Value(s) Applied" row of "Number of employments", 18 employees are stated. However, it is stated that there are 19 employees. Please correct this contradiction in Section D.2.</p> <p>d) Please provide the social security records of the employees.</p> <p>e) "Monitoring Frequency" of "Number of employments" is indicated as "once for each monitoring period" in the registered PDD.</p> <p>f) Training records other than those indicated in Section D.2 are provided as well. Please include all training</p>	D.2.1	<p>a) The unit of "ERy" has been revised accordingly.</p> <p>b) The reference link for the calibration frequency has been included in Section D.2.</p> <p>c) The contradiction in D.2 has been resolved.</p> <p>d) The SGK records have been provided to the VVB.</p> <p>e) "Monitoring Frequency" of "Number of employments" has been revised.</p> <p>f) All training records have been included in Section D.2.</p> <p>g) The vintage values of the emission reductions have been included in Section D.2.</p>	<p>Review-1:</p> <p>a) Ok Closed (The relevant unit was corrected.)</p> <p>b) Ok Closed (The reference link was included in Section D.2.)</p> <p>c) Ok Closed (The contradiction was corrected in Section D.2.)</p> <p>d) Ok Closed (The social security records were provided.)</p> <p>e) Ok Closed (Section D.2 was revised accordingly.)</p> <p>f) Ok Closed (The training records were included in Section D.2.)</p> <p>g) Ok Closed (The vintage values were included in Section D.2.)</p>

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<p>records in Section D.2.</p> <p>g) Please include the vintage values of the emission reductions in Section D.2.</p>			
<p>CAR-9</p> <p>a) Please re-evaluate the calculation “BE_y = 121,939 * 0.6482 = 79,040 tCO₂” in Section E.1 since this calculation is related to the estimation.</p> <p>b) Please include the information about “Adjusted net electricity supplied to the grid [MWh] (E) = (D) - (B)” in Section E.1.</p> <p>c) If there are 2 meters in total in the power plant, please explain how the electricity generation values of the first 18 turbines and the additional 11 turbines are separated (For T19-T29 turbines, separate electricity generation values from the SCADA system are given in “Baseline Emissions” Excel sheet.).</p>	E.1.1	<p>a) The calculation has been revised.</p> <p>b) The information about “Adjusted net electricity supplied to the grid [MWh] (E) = (D) - (B)” has been included in Section E.1.</p> <p>c) There are 2 electricity meters, one main and the other backup. These two electricity meters measure the total electricity production. The SCADA system is used to obtain the production of turbines one by one. To obtain the production of the registered capacity (18 turbines), the sum of the SCADA production values of the 11 newly added turbines is subtracted from the total production of 29 turbines measured by the electricity meters. The total electricity generation and emission reduction of 18 turbines were calculated with this method.</p>	<p>Review-1:</p> <p>a) Ok Closed (The relevant calculation was corrected in Section E.1.)</p> <p>b) Ok Closed (The relevant information was included in Section E.1.)</p> <p>c) Ok Closed (The clarification was made.)</p>
<p>CAR-10</p> <p>a) Please revise the statement “Project emissions apply only for geothermal power plants, solar thermal power plants and for some hydro power plants.” in Section E.2.</p> <p>b) Please include the project emission values in the ER Excel sheet in monthly basis.</p>	E.2.1	<p>a) Section E2 has been revised.</p> <p>b) The project emission values have been included in the ER Excel sheet in monthly basis.</p>	<p>Review-1:</p> <p>a) Ok Closed (The relevant information was revised accordingly.)</p> <p>b) Ok Closed (The project emission values were included in the ER Calculation Excel sheet.)</p>
<p>CAR-11</p> <p>Please include the leakage emission values in the ER Excel sheet in monthly basis.</p>	E.3.1	The ER Excel sheet has been revised.	<p>Review-1:</p> <p>Ok Closed (The leakage emission values were included in the ER Calculation Excel sheet.)</p>
CAR-12	E.4.1	a) The ER Excel sheet has been revised.	Review-1:

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<p>a) Please include the emission reduction values in the ER Excel sheet in monthly basis with using the proper formula (ER=BE-PE-LE).</p> <p>b) Please re-evaluate Section E.4.</p>		<p>b) Section E.4 has been revised.</p> <p>Review-1:</p> <p>b) E.1 and E.4 Sections have been revised accordingly.</p>	<p>a) Ok Closed (The emission reduction values were included in the ER Calculation Excel sheet.)</p> <p>b) Section E.4 is related to the “achieved values”. Therefore, please revise the values in Section E.4. Also, the emission factor is indicated as “0.6482 tCO2/MWh” in the ER Calculation Excel sheet. However, it is indicated as “0.6198 tCO2/MWh” in Section E.1. Please correct the contradiction.</p> <p>Review-2:</p> <p>b) Ok Closed (Section E.1 and Section E.4 were revised.)</p>
<p>CL-1</p> <p>Please provide the last annual report dated 28/12/2022.</p>	<p>1.7</p>	<p>It's been provided.</p>	<p>Review-1:</p> <p>Ok Closed (The relevant annual report was provided.)</p>
<p>CL-2</p> <p>Please provide a signed and sealed letter from the project owner about double counting.</p>	<p>G.3.1</p>	<p>a) It has been provided to the VVB.</p>	<p>Review-1:</p> <p>Ok Closed (The signed letter was provided.)</p>
<p>CAR-13</p> <p>Please refer to the monitoring parameter (ERy: Emission reductions by the project activity in year y), where the vintage is provided as “16/09/2021 – 21/12/2021”, “01/01/2022 – 31/12/2022”, “01/01/2023 – 31/03/2023”, however the period (22/12/2021 – 31/12/2021) is not involved in any of the above vintages. Please check and provide appropriate revisions, wherever required in Section D.2.</p>	<p>ITR</p>	<p>ERy parameter has been revised accordingly.</p>	<p>Review-1:</p> <p>Ok Closed (The vintage values were included in Section D.2.)</p>

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<p>CAR-14</p> <p>a) The capacity corresponding to the “phase-5”, “phase-6” has been provided as “7,5 MW”, “7,5 MW” in the Table 4 in Section A.1. Please check the decimal places as per the international decimal format throughout the MR.</p> <p>b) As per the details provided in Section A.1, “the newly added turbines type is N117/3000”, however no such technical details on the newly added turbines (N117/3000) provided in the Table 5 in the MR. Please check.</p>	<p>ITR</p>	<p>a) All values containing decimals have been revised throughout the MR.</p> <p>b) Section A.1 has been revised accordingly.</p>	<p>Review-1:</p> <p>a) Ok Closed (The notations were revised.)</p> <p>b) Ok Closed (Section A.1 was revised accordingly.)</p>
<p>CAR-15</p> <p>The turbine coordinates of 18 turbines are provided in Table 7, however there are 29 turbines (18 old turbines and 11 new turbines). Hence the coordinates of all the turbines shall be provided in the MR in Table 7 in Section A.2.</p>	<p>ITR</p>	<p>The coordinates of new turbines have been included in Table 7 of Section A.2.</p>	<p>Review-1:</p> <p>Ok Closed (All coordinates were included in Section A.2.)</p>
<p>CAR-16</p> <p>The decimal places shall be corrected to international format in the statement “The diameters of the blades are 99,8 m by N100 turbines and 90 m by N90 turbines” in Section B.1. Please check.</p>	<p>ITR</p>	<p>Section B.1 has been revised accordingly.</p>	<p>Review-1:</p> <p>Ok Closed (The notations were revised.)</p>
<p>CAR-17</p> <p>The following equations and values does not look correct in Section E.4.</p> <p>$BEy = 335,550.49 \times 0.6482 = 207,972 \text{ tCO}_2$</p> <p>Please correct the calculation.</p>	<p>ITR</p>	<p>Section E.4 has been revised accordingly.</p>	<p>Review-1:</p> <p>Ok Closed (The equation was revised in Section E.4.)</p>
<p>CAR-18</p>	<p>ITR</p>	<p>The actual value has been achieved during the</p>	<p>Review-1:</p>

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<p>Please refer to the monitoring parameter (EGPJ, grid, y: Quantity of net electricity generation supplied by the project plant/unit to the grid in year y) where the estimated value (121,939 MWh) in the following statement is not clear.</p> <p>“The annual electricity fed to the grid is estimated as 121,939 MWh”</p> <p>As this being the monitoring period, so the actual value achieved during the monitoring period will be provided instead of estimated value in Section D.2.</p>		<p>monitoring period has been provided.</p>	<p>Ok Closed (The value was revised in Section D.2.)</p>
<p>CL-3</p> <p>a) The project representative is provided as “Sekans Danışmanlık” in the KPI section of the MR, however the same is “SEKANS ENERJİ LTD. ŞTİ” as per the registered PDD. Reasons for this change may be clarified.</p> <p>b) The “revision history” at the end of the MR template has been deleted. Please add the revision history.</p>	<p>ITR</p>	<p>a) “Sekans Danışmanlık” has been changed to “Sekans Enerji Ltd. Şti.” In the KPI section of the MR.</p> <p>b) The “revision history” has been included in the end of the MR.</p>	<p>Review-1:</p> <p>a) Ok Closed (The clarification was made.)</p> <p>b) Ok Closed (The revision history was included in the MR.)</p>
<p>CL-4</p> <p>The construction date is not provided as per the requirements. Please add the relevant date in the MR.</p>	<p>ITR</p>	<p>Table 6 in Section A.1 has been revised accordingly.</p>	<p>Review-1:</p> <p>Ok Closed (The construction date was included in Table 6.)</p>
<p>CL-5</p> <p>Please refer to the monitoring parameter (EGPJ, grid, y: Quantity of net electricity generation supplied by the project plant/unit to the grid in year y), where the last calibration dates are not provided. Please add the relevant dates in Section D.2.</p>	<p>ITR</p>	<p>The parameter has been revised accordingly.</p>	<p>Review-1:</p> <p>Ok Closed (The calibration dates were included in Section D.2.)</p>
<p>CL-6</p> <p>The monitoring period is from “16/09/2021 –</p>	<p>ITR</p>	<p>- In ER Excel Calculation Sheet, in cell “E9” has an equation of “=(C9-D9)/30*M30”.</p>	<p>Review-1:</p> <p>Ok Closed (The clarification was made.)</p>

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31/03/2023", hence the start of the monitoring period is 16/09/2021, however the complete data for the month of September 2021 has been considered in the emission reduction calculations. Please check.		<ul style="list-style-type: none"> - Cell "M30" represents 15 days as the remaining days of the September 2021 (16/09/2021 to 30/09/2021). - SCADA values have been calculated as well as the total generation of the project in September 2021. It can be seen in cell "Y9". 	
<p>CL-7</p> <p>As there is a generation of 20.4% higher than the estimated amount, hence it shall be clarified that how it does not affect the additionality demonstration provided in Section E.6. Or in other words, please demonstrate that the project activity is still additional.</p>	ITR	<p>Looking at the year 2021, it is seen that a 3-month period is monitored. This has increased the emissions achieved. Normally, these values would not be this high.</p> <p>In addition, the project was already unable to benefit from carbon credits between 2018-2021 due to the Covid-19 pandemic and the Gold Standard process, so the project has a revenue shortfall. So, the project still needs additional revenue.</p>	<p>Review-1:</p> <p>Ok Closed (The clarification was made.)</p>
<p>CL-8</p> <p>It is observed that a FAR from the Design Renewal Certification has been addressed in this verification, however a FAR was also raised during the Validation of renewal of the crediting period, which has not been addressed during this current verification. Please refer to that FAR below:</p> <p>"As there has been a gap in verification, next verification VVB please check OFN with numerical evidence".</p> <p>Please add the relevant information for OFN in Section B.1.1.</p>	ITR	Invoices for the VERS sales have been submitted to VVB and this information has been included in Section B.1.1.	<p>Review-1:</p> <p>Ok Closed (Section B.1.1 was revised accordingly.)</p>
<p>CL-9</p> <p>As per the Section 2.1.5 of the "Rule updated-The SDG</p>	ITR	The SDG Impact tool has been provided to the VVB.	<p>Review-1:</p> <p>Ok Closed (The SDG Impact Tool was</p>

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<p>Impact Tool”, “The completed SDG Tool shall be submitted along with other project documentation (such as Project Design Document (PDD), Monitoring Report (MR), Emission Reductions (ER) spreadsheets, as applicable) during requests for:</p> <ul style="list-style-type: none"> a. Preliminary Review b. Validation and Verification to GS-VVB c. Design and Performance review/certification to Gold Standard” <p>Therefore, the SDG Impact tool may be required to be submitted.</p>			<p>provided.)</p>

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