International Carbon Registry

Albay Çiğiltepe WPP Capacity Addition Project

Validation Report

Summary

"Albay Çiğiltepe WPP Capacity Addition Project" is operated by "Olgu Enerji Yatırım Üretim ve Ticaret A.Ş.". The project activity is located in "Keklicek and Bülüçalanlı" villages of "Dinar" town, approximately 80 km southwest of the city of Afyonkarahisar, in "Türkiye". The purpose of the project is to provide renewable electricity to the "Türkiye" grid through wind energy. According to the "provisional acceptance" document, the start date of the operation of the project is "06/12/2016". 31 wind turbines are available at the project site with the installed capacity of 2.75 MWm /1.858 MWe each. Therefore, the total installed capacity of the project activity is 85.25 MWm/ 57.60 MWe. Based on real electricity generation data, the average value of the electricity generation is calculated as 201,600 MWh/year. Also, the estimated emission reduction of the project is calculated as 127,915 tCO2e/year.

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Re Carbon Gözetim Denetim ve Belgelendirme Ltd. Şti.

Title of project	Albay Çiğiltepe WPP Capacity Addition Project
ID of project	223
Date of project design document	2209/018/20254
Version of project design document	054
Statement by the project proponent	The Project Proponent states that he is responsible for preparing and fair presentation of the Project Design Description and all accompanying documentation provided for under the validation.

Title of report	Albay Çiğiltepe WPP Capacity Addition Project
ID of report	1183
Client (Project proponent)	Olgu Enerji Yatırım Üretim ve Ticaret A.Ş.
Criteria for validation	☐ ICR requirement document v.4 ☒ ICR requirement document v.5 ☒ ISO 14064-2 ☒ Applied methodology, ACM0002: Grid connected renewable electricity generation from renewable sources (Version 22.0) ☐ Other, please specify.
Date of validation	18/10/2024
Version number of this validation report	032
Date of version	294/0110/202554
Prepared by	Re Carbon Gözetim Denetim ve Belgelendirme Ltd. Şti.
Contact	Mr. Christian JOHANNES - General Manager, physical address: Kızkulesi Sokak 28/3 - TR / 06700 Kazım Özalp Mah. - Çankaya – Ankara, Tel.: +90-312-287 51 22, email: info@re-carbon.net, website: www.re-carbon.net
Independent review	Mr. Sandeep KANDA
Validation team leader	Mrs. Beyda ALTUNTAŞ
Validation statement	Re Carbon Gözetim Denetim ve Belgelendirme Ltd. Şti. states that Re Carbon Gözetim Denetim ve Belgelendirme Ltd. Şti. is responsible for the opinion based on the validation of the project. It is Re Carbon Ltd.'s opinion that the project activity "Albay Çiğiltepe WPP Capacity Addition Project" in "Türkiye", as described in the PDD, version 054 dated 2209/018/20254, meets all relevant UNFCCC requirements for the CDM, ICR and all

	relevant host Party criteria and correctly applies the baseline and monitoring methodologies “ACM0002: Grid connected renewable electricity generation from renewable sources ”, version 22.0. Hence, Re Carbon Ltd. requests the registration of the proposed project activity as an ICR project activity.	
Signature	 Team Leader	 ITR

Contents

1. Summary

"Albay Çiğiltepe WPP Capacity Addition Project" is operated by "Olgu Enerji Yatırım Üretim ve Ticaret A.Ş.". The project activity is located in "Keklicek and Bülüçalanlı" villages of "Dinar" town, approximately 80 km southwest of the city of Afyonkarahisar, in "Türkiye". The purpose of the project is to provide renewable electricity to the "Türkiye" grid through wind energy. According to the "provisional acceptance" document, the start date of the operation of the project is "06/12/2016". The project initially developed as 115 MWm/115MWe with 50 Siemens SWT-2.3-108 wind turbines and the estimation of annual generation has been indicated as 402,500 MWh in initial Generation License.However, there are additional 31 GE 2.75-120 type turbines with the installed capacity of 2.75 MWm/ 1.858 MWe each with total installed capacity 85.25 MWm/ 57.60 MWe. In sum, there are totally 81 wind turbines currently at project site and estimated total annual electricity generation is increased as 604,100 MWh with capacity addition. However, 31 of them are under consideration on behalf of Albay Çiğiltepe WPP Capacity Addition Project as a capacity addition in line with updated Generation License. 31 GE wind turbines are available at the project site with the installed capacity of 2.75 MWm/ 1.858 MWe each with total installed capacity 85.25 MWm/ 57.60 MWe and estimated annual electricity generation is 201,600 MWh. Therefore, the total installed capacity of the project activity is 200.25 MWe (just 85.25 MWm/ 57.60 MWe under consideration). Based on real electricity generation data of capacity addition part (for 31 GE wind turbines with 85.25 MWm/ 57.60 MWe under consideration), the average value of the electricity generation is calculated as 201,600 MWh/year. Also, the annual estimated emission reduction of the project is calculated as 127,915 tCO2e/year.

In sum, the project was originally designed to have 50 turbines at 115 MWm/115 MWe, with an expected annual generation of 402,500 MWh. According to the generation license, the total capacity became to 200.25 MWm / 172.6 MWe with the addition of 31 turbines, with an installed capacity of 85.25 MWm / 57.60 MWe. Estimated annual generation increased by 201,600 MWh to 604,100 MWh. Only the capacity expansion part is covered by this VR.

The commissioning dates of all wind turbines as listed below:

- Commissioning dates of first phase is on 06/12/2016 (for 17 wind turbines: T51, T52, T53, T55, T57, T58, T59, T60, T61, T62, T63, T64, T65, T66, T79, T80 and T81) also this is the start date of project activity
- Commissioning dates of second phase is on 30/12/2016 (for 4 turbines: T54, T67, T68 and T72)
- Commissioning dates of third phase is on 27/01/2017 (for 5 turbines: T56, T69, T70, T71 and T73)
- Commissioning dates of fourth phase is on 16/02/2017 (for 5 turbines: T74, T75, T76, T77 and T78)

The commissioning dates of the wind turbines have been confirmed via the provisional acceptance protocols of the wind turbines and generation license..

The technical features of the wind turbines are as follows:

Brand	General Electric (GE)
Type	GE 2.75-120
Number of Blades	3
Number of Units	31
Rotor Diameter	120 m
Electric Output of Each Turbine	2.75 MWm/1.858 MWe
Hub Height	85 m
Technical Lifetime	25 year

The technical features of the wind turbines have been confirmed via the technical document of provisional acceptances.

The coordinates of the wind turbines are as follows:

Turbine	Latitude	Longitude
T51	38.1917°	30.1289°
T52	38.1899°	30.1322°
T53	38.1872°	30.1259°

T54	38.0700°	30.1958°
T55	38.1778°	30.1309°
T56	38.0577°	30.2062°
T57	38.1657°	30.1272°
T58	38.1496°	30.1591°
T59	38.1465°	30.1453°
T60	38.1439°	30.1636°
T61	38.1415°	30.1541°
T62	38.1402°	30.1401°
T63	38.1336°	30.1704°
T64	38.1326°	30.1627°
T65	38.1299°	30.1663°
T66	38.1255°	30.1480°
T67	38.1005°	30.1994°
T68	38.0520°	30.2077°
T69	38.0431°	30.2094°
T70	38.0368°	30.2142°
T71	38.0468°	30.2179°
T72	38.0772°	30.1920°
T73	38.0290°	30.2142°
T74	38.0234°	30.2183°
T75	38.0229°	30.2130°
T76	38.0199°	30.2161°
T77	38.0172°	30.2260°
T78	38.0169°	30.2188°
T79	38.1416°	30.1462°
T80	38.1198°	30.1474°
T81	38.1219°	30.1591°

The wind turbines' coordinates have been confirmed via the reference link (https://maps.app.goo.gl/39Q9fcroyjrRdWXo9) and also KMZ file of project specific area.

Based on real electricity generation data in line with Generation License, the average value of the electricity generation is calculated as 201,600 MWh/year. Also, the annual estimated emission reduction of the project is calculated as 127,915 tCO_2e/year.

The chosen crediting period is from 06/12/2016 to 05/12/2026. The total estimated emission reduction value for the entire crediting period is 1,279,149 tCO_2e.

The spatial extent of the project boundary includes the project power plant/unit and all power plants/units connected physically to the Türkiye grid system that the project power plant is connected to as per the applied methodology ACM0002, version 22.0. As per this statement the project boundary includes:

- The project activity (Albay Çiğiltepe WPP Capacity Addition Project)
- Substation that connects the Albay Çiğiltepe WPP Capacity Addition Project to the Türkiye grid system
- Türkiye grid system

In the absence of the project activity, the same amount of electricity generated by the Albay Çiğiltepe WPP Capacity Addition Project would have otherwise been generated by the operation of Türkiye grid-connected power plants and by the addition of new generation sources into the grid (Türkiye grid system is dominated by nuclear and thermal power plants).

Validation summary	
Validation start and end date	16/04/2024-294/0110/20254
Sectoral scope of project activities	Scope 1 - Energy industries (renewable - / non-renewable sources)
Project type	Avoidance
Eligibility of the project to participate under the ICR program	The project activity satisfies the requirements for eligibility as stated in ICR Requirement Document Version 5 section 3.3. Thus, by adding clean and renewable electricity to the grid, the project "leads to mitigation of climate change." "All projects with a start date after 1 January 2013 are eligible for registration with ICR," according to paragraph 2 of Section 3.3. The proposed project is acceptable in this regard because its start date is 06/12/ 2016.
Transfer eligibility from other GHG program	N/A
PDD completeness	2209/018/20254
Project ownership	Olgu Enerji Yatırım Üretim ve Ticaret A.Ş.
Start date	06/12/2016
Crediting period	10 years
Double counting issuance and claiming	N/A
Host country attestation	No
Additional information and confidential information	N/A

2. General

2.1 Objective

Through enabling industrialists to use affordable energy and gain an advantage in a competitive market, the project aim to reduce the nation's energy deficit and promote the growth of regional industries. By utilizing wind energy, the purpose of the project to produce renewable electricity that will be fed into the national grid of Türkiye. Investors hope to lessen their reliance on fossil fuels and, as a result, the sources of pollution in the environment by carrying out the project. The project owner invested in cutting-edge turbines and completed all required assessments prior to implementation in order to achieve the maximum power output and the corresponding emission reductions.

Re Carbon Ltd. was appointed by “Olgu Enerji Yatırım Üretim ve Ticaret A.Ş. to perform the validation of the “Albay Çiğiltepe WPP Capacity Addition Project” in “Türkiye” through a service agreement, dated 25/12/2023. The objective of this validation activity is to have an independent third party for the assessment of the project design, and to ensure a thorough assessment of the proposed project activity against the applicable ICR and CDM requirements. In particular;

- the project's baseline was assessed against “ACM0002: Grid connected renewable electricity generation from renewable sources, Version 22.0”
- the project’s monitoring plan was assessed against “ACM0002: Grid connected renewable electricity generation from renewable sources, Version 22.0”

- the project's additionality justification was assessed against "Tool 01: Tool for the demonstration and assessment of additionality, version 07.0" , "Tool 24: Common Practice version 03.1"and "Tool 27: Investment Analysis, version 14.0".
- the project's compliance with the requirements ~~of Article 12 of the Kyoto Protocol, the CDM Modalities and Procedures, as agreed in the Marrakech Accords under decision 3/CMP.1, the annexes to this decision, subsequent decisions and guidance made by COP/MOP & CDM Executive Board and other~~ relevant rules, including the Host Country's legislation and sustainability criteria
- ICR Requirement Document Version 5.0
- ICR validation and verification specifications Version 1.0
- CDM Validation and Verification Standard for project activities version 3.0
- ~~CDM Project Standard for Project Activities version 3.0~~
- ~~ICR Standard Version 5.0~~

Validation is a requirement for all ICR projects and is seen as necessary to provide assurance to stakeholders of the quality of the project and its intended generation of ICR Credits (ICC).

2.2 Criteria

The validation report of Albay Çiğiltepe WPP Capacity Addition Project is reviewed against the relevant criteria.

~~☐ ICR requirement document v.4.0~~

☒ ICR requirement document v.5.0

☒ ICR validation and verification specifications Version 1.0

☒ ISO 14064-2

☒ Applied methodology, ACM0002: Grid connected renewable electricity generation from renewable sources (Version 22.0)

~~☐ Other,~~

The scope of the validation is the independent and objective review of the ICR Project Design Description (PDD). The PDD is reviewed against the relevant criteria and decisions by the ICR Organization, including the approved baseline and monitoring methodology. The validation was based on the guidance given in the CDM Validation and Verification Standard for project activities version 3.0~~, CDM Project Standard for project activities version 3.0,~~ and ~~ICR Standard version 5.0.~~ICR Requirement Document version 5.0.

The validation team has employed a risk-based approach to assess the completeness and accuracy of the claims and conservativeness of the assumptions in the PDD. The focus of the validation team is to identify significant risks for the project implementation and the generation of ICCs. The validation is not meant to provide any consulting towards the project participants. However, stated requests for clarifications and/or corrective actions may have provided input for improvement of the project design.

The only purpose of the validation is its usage during the registration process as part of the ICR project cycle. Therefore, Re Carbon Ltd. cannot be held liable by any party for decisions made or not made based on the validation opinion that go beyond that purpose.

2.3 Scope

The scope of the validation is the independent and objective review of the ICR Project Design Description (PDD). The PDD is reviewed against the relevant criteria and decisions by the ICR ~~Organization~~Program, including the approved baseline and monitoring methodology. The validation was based on the guidance given in the CDM Validation and Verification Standard for project activities version 3.0, , ICR validation and verification specifications Version 1.0, ~~CDM Project Standard for project activities version 3.0,~~ and ICR ~~Standard~~ Requirement Document version 5.0.

The validation team has employed a risk-based approach to assess the completeness and accuracy of the claims and conservativeness of the assumptions in the PDD. The focus of the validation team is to identify significant risks for the project implementation and the generation of ICCs. The validation is not meant to provide any consulting towards the

project participants. However, stated requests for clarifications and/or corrective actions may have provided input for improvement of the project design.
The scope of this validation, as agreed upon between the validator and the client, encompasses the following elements in accordance with ISO 14064-3:2019:

a) Boundaries:
The boundaries of the project have been clearly defined, including all relevant facilities and physical infrastructures involved in the GHG reduction activities. This also includes any geographical, organizational, and operational limits that apply to the project. The project boundary encompasses the wind power plant itself, as well as all other power plants that are physically connected to the same electricity system as the project power plant. This boundary ensures that all relevant sources of greenhouse gas (GHG) emissions within the electricity network are considered.

b) Facilities, Physical Infrastructure, Activities, Technologies, and Processes:
The validation covers the facilities and physical infrastructure associated with the project, specifically the wind power plant. The project initially developed to have 115 MWm / 115 MWe with 50 turbines and annual generation was estimated as 402,500 MWh. With the capacity addition of 31 turbines with installed capacity of 85.25 MWm / 57.60 MWe, total capacity became 200.25 MWm / 172.6 MWe and estimated annual generation increased by 201,600 MWh and became 604,100 MWh as per the license. The chosen technology involves the utilization of wind turbines, selected for their safety, durability, low maintenance, high efficiency, and aesthetic design. The validation also includes an assessment of the processes involved in converting wind power into electrical energy.

c) GHG Sources, Sinks, and Reservoirs (SSRs):
In accordance with the applied CDM methodology ACM0002, the validation focuses on CO_2 emissions from electricity generation in power plants that are displaced by the wind power plant project. This ensures that only the relevant GHG sources are included in the validation scope.

d) Types of GHGs:
The validation addresses CO2 as the primary type of greenhouse gas involved in the project, which is the only GHG considered under the applied methodology.

e) Time Period:
The validation covers the specific time period during which the GHG reduction activities are conducted. This includes both the baseline period and the reporting period for the GHG reductions achieved by the project.

For GHG Statements Containing Emission Reductions or Removal Enhancements:
In addition to the above, the validation scope also includes an assessment of the following elements:

-Material Secondary Effects:
Any significant secondary effects resulting from the project activities are reviewed, ensuring that both positive and negative impacts are taken into account.

-Baseline Scenarios:
The baseline scenarios, which are used to compare the GHG reductions achieved by the project, are critically evaluated. This ensures that the baseline is accurately defined and that the reductions claimed are both legitimate and verifiable.

The only purpose of the validation is its usage during the registration process as part of the ICR project cycle. Therefore, Re Carbon Ltd. cannot be held liable by any party for decisions made or not made based on the validation opinion that go beyond that purpose.

2.4 Materiality thresholds

The materiality threshold assessment by the validation team was based on the guidance provided in the ICR Validation and Verification Specifications, Version 1.0. According to these specifications, if a project activity achieves a total GHG emission mitigation of ER/year≤ 300,000 tCO2 e, a 2% materiality threshold should be applied. Since this project is

estimated to result in an emission mitigation of 127,915 tCO2-e/yr, the validation team applied the 2% materiality threshold. The validation team, therefore, ensured that any omission, misstatement, or erroneous reporting of information does not lead, at an aggregated level, to an overestimation of the total GHG emission mitigation achieved by the project activity equal to or exceeding 2% of the GHG emission mitigations. Re Carbon Ltd. hereby confirms that the reasonableness of assumptions of this validation report is reasonable, with respect to material errors, omissions and misrepresentations. To guarantee this reasonableness of assumptions all data that is used in the GHG emission reduction calculations have been reviewed without any sampling. Materiality threshold of the project is 2 percent of emission reductions since this project is large scale and achieved a total emission reduction of less than 300,000 tons of carbon dioxide.

2.5 Validation team

Full Name	Role or Responsibility	Type of activity performed
Mrs. Beyda ALUNTAŞ	Team Leader	A, DR, SV, R
Ms. Helin TÜZER	Trainee Validator	A, DR, SV, R
Mr**.Murat GENÇER**	Financial Expert	Financial Expert
Mr**. Sandeep KANDA**	ITR	ITR

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

A: Administrative

DR: Desk Review

SV: Site Visit

R: Reporting

ITR: Independent Technical Review

2.6 Validation activities and techniques

Observation	☒
Inquiry	☐
Analytical testing	☐
Confirmation	☒
Recalculation	☒
Examination	☒
Retracing	☐
Tracing	☐
Control testing	☐
Sampling	☐
Estimate testing	☒
Cross-checking	☒
Reconciliation	☐

2.7 Documented information

The basis for the validation activity is the PDD version 01, dated 17/04/2023, which was submitted to the validation team on same day. This PDD was revised several times due to the raised CARs and CLs, with version 054 dated 2209/018/202554 being the final version. The PDD was assessed against:

- ACM0002: Grid connected renewable electricity generation from renewable sources, Version 22.0 refers to the following tools:
    - "Tool 01 :Tool for the demonstration and assessment of additionality, Version 07.0.0"
    - "Tool 07 : Tool to calculate the emission factor for an electricity system, Version 07.0"
    - "Tool 24: Common Practice, Version 03.1 "
    - "Tool 27: Investment Analysis, Version 14.0"
- the Host Country criteria applicable laws and regulations
- CDM Validation and Verification Standard for project activities version 3.0
- ~~CDM Project Standard for Project Activities version 3.0~~
- ICR Requirement Document~~CR Standard~~ Version 5.0
- other relevant documents

Engagement terms	☒
Validation plan	☒
Evidence-gathering plan	☒
Who performed the evidence-gathering activities and when they were performed	☒
Collected evidence	☒
Requests for clarification, material misstatements, and nonconformities arising from the validation and the conclusions reached	☒
Communication with the responsible party on material misstatements	☒
The conclusions reached and opinions by the validator	☒
The name of the independent reviewer, the date of review and comments of the reviewer	☒

3. Project

3.1 Description of the project

"Albay Çiğiltepe WPP Capacity Addition Project" is operated by "Olgu Enerji Yatırım Üretim ve Ticaret A.Ş.". The project activity is located in "Keklicek and Bülüçalanlı" villages of "Dinar" town, approximately 80 km southwest of the city of Afyonkarahisar, in "Türkiye". The purpose of the project is to provide renewable electricity to the "Türkiye" grid through wind energy. According to the "provisional acceptance" document, the start date of the operation of the project is "06/12/2016". The project initially developed as 115 MWm/115MWe with 50 Siemens SWT-2.3-108 wind turbines and the estimation of annual generation has been indicated as 402,500 MWh in initial Generation License.However, there are additional 31 GE 2.75-120 type turbines with the installed capacity of 2.75 MWm/ 1.858 MWe each with total installed capacity 85.25 MWm/ 57.60 MWe. In sum, there are totally 81 wind turbines currently at project site and estimated total annual electricity generation is increased as 604,100 MWh with capacity addition. However, 31 of them are under consideration on behalf of Albay Çiğiltepe WPP Capacity Addition Project as a capacity addition in line with updated Generation License. 31 GE wind turbines are available at the project site with the installed capacity of 2.75 MWm/ 1.858 MWe each with total installed capacity 85.25 MWm/ 57.60 MWe and estimated annual electricity generation is 201,600 MWh. Therefore, the total installed capacity of the project activity is 200.25 MWe (just 85.25 MWm/ 57.60 MWe under consideration). Based on real electricity generation data of capacity addition part (for 31 GE wind turbines with 85.25 MWm/ 57.60 MWe under consideration), the average value of the electricity generation is calculated as 201,600 MWh/year. Also, the annual estimated emission reduction of the project is calculated as 127,915 tCO2e/year. The commissioning dates of all wind turbines as listed below:

- Commissioning dates of first phase is on 06/12/2016 (for 17 wind turbines: T51, T52, T53, T55, T57, T58, T59, T60, T61, T62, T63, T64, T65, T66, T79, T80 and T81) also this is the start date of project activity

- Commissioning dates of second phase is on 30/12/2016 (for 4 turbines: T54, T67, T68 and T72)
- Commissioning dates of third phase is on 27/01/2017 (for 5 turbines: T56, T69, T70, T71 and T73)
- Commissioning dates of fourth phase is on 16/02/2017 (for 5 turbines: T74, T75, T76, T77 and T78)

The commissioning dates of the wind turbines have been confirmed via the provisional acceptance protocols and generation license of the wind turbines.

The technical features of the wind turbines are as follows:

Brand	General Electric (GE)
Type	GE 2.75-120
Number of Blades	3
Number of Units	31
Rotor Diameter	120 m
Electric Output of Each Turbine	2.75 MWm/1.858 MWe
Hub Height	85 m
Technical Lifetime	25 year

The technical features of the wind turbines have been confirmed via the technical document of provisional acceptances.
The coordinates of the wind turbines are as follows:

Turbine	Latitude	Longitude
T51	38.1917°	30.1289°
T52	38.1899°	30.1322°
T53	38.1872°	30.1259°
T54	38.0700°	30.1958°
T55	38.1778°	30.1309°
T56	38.0577°	30.2062°
T57	38.1657°	30.1272°
T58	38.1496°	30.1591°
T59	38.1465°	30.1453°
T60	38.1439°	30.1636°
T61	38.1415°	30.1541°
T62	38.1402°	30.1401°
T63	38.1336°	30.1704°
T64	38.1326°	30.1627°
T65	38.1299°	30.1663°
T66	38.1255°	30.1480°
T67	38.1005°	30.1994°
T68	38.0520°	30.2077°
T69	38.0431°	30.2094°
T70	38.0368°	30.2142°
T71	38.0468°	30.2179°
T72	38.0772°	30.1920°
T73	38.0290°	30.2142°
T74	38.0234°	30.2183°
T75	38.0229°	30.2130°
T76	38.0199°	30.2161°
T77	38.0172°	30.2260°
T78	38.0169°	30.2188°
T79	38.1416°	30.1462°
T80	38.1198°	30.1474°
T81	38.1219°	30.1591°

The wind turbines' coordinates have been confirmed via the reference link (https://maps.app.goo.gl/39Q9fcroyjrRdWXo9) and also KMZ file of project specific area.
Based on real electricity generation data in line with Generation License, the average value of the electricity generation is calculated as 201,600 MWh/year. Also, the annual estimated emission reduction of the project is calculated as 127,915 tCO_2e/year.
The chosen crediting period is from 06/12/2016 to 05/12/2026. The total estimated emission reduction value for the crediting period is 1,279,149 tCO_2e.
The spatial extent of the project boundary includes the project power plant/unit and all power plants/units connected physically to the Türkiye grid system that the project power plant is connected to as per the applied methodology ACM0002, version 22.0. As per this statement the project boundary includes:

- The project activity (Albay Çiğiltepe WPP Capacity Addition Project)
- Substation that connects the Albay Çiğiltepe WPP Capacity Addition Project to the Türkiye grid system
- Türkiye grid system

In the absence of the project activity, the same amount of electricity generated by the Albay Çiğiltepe WPP Capacity Addition Project would have otherwise been generated by the operation of Türkiye grid-connected power plants and by the addition of new generation sources into the grid (Türkiye grid system is dominated by nuclear and thermal power plants).
There are 3 Transformer Center currently at project site as Transformer A, Transformer B and Transformer C and there are 6 meters connect to transformer centers as 3 main and 3 back-up meters . The first part of the project uses different meters (with serial number 53099629, 53099630, 65005954 and 65005955) than the capacity addition part which is under consideration for 31 wind turbines (with serial number 73055365 and 73055366) . These meters (with serial number 53099629, 53099630, 65005954 and 65005955) are also placed at the Powerhouse, connected to the Transformer-A and Transformer-B. Related properties of all meters are listed below:

Meter	Type	Transformer Center	Accuracy	Serial Number before Replacement (old version)	Serial Number after Replacement (current version)	Replacement Date
Main Meter-1 (Replaced)	ACTARIS SL761A071	A	0.2S	10773484	53099629	09/03/2022
Backup Meter-1 (Replaced)	ACTARIS SL761A071	A	0.2S	10773485	53099630	09/03/2022
Main Meter-2 (Replaced)	ACTARIS SL761A071	B	0.2S	10773486	65005954	09/03/2022
Backup Meter-2 (Replaced)	ACTARIS SL761A071	B	0.2S	10773487	65005955	09/03/2022
						First Index Date
Main Meter-3 (For 31 wind turbines)	ITRON	C	0.2S	-	73055365	09/03/2022
Backup Meter-3 (For 31 wind turbines)	ITRON	C	0.2S	-	73055366	09/03/2022

Only the Transformer C and related connected meters (with serial number for main meter: 73055365 and with serial number for back-up meter: 73055366) are under consideration for 31 additional wind turbines. Other components are mentioned to explain the integrity of the project activity.

Meter	Type	Accuracy	Serial Number	First Index Date

Main Meter	ITRON	0.2S	73055365	09/03/2022
Backup Meter	ITRON	0.2S	73055366	09/03/2022

First index date of electricity meters (with serial number for main meter: 73055365 and with serial number for back-up meter: 73055366) was on 09/03/2022. At the time of first index of related meters which is under consideration of 31 wind turbines with serial number 73055365 and 73055366, other meters (with serial number 53099629, 53099630, 65005954 and 65005955) replacement has been done on same day by legal authorization in line with first index protocol,calibration document and meter test records.
Calibration procedures is conducted every ten year and meter test frequency is every two year as in line with legal authorization (EMRA). The net electricity is measured continuously by one main (with serial number 73055365) electricity meters at the grid interface and recorded monthly. There is also one back-up (with serial number 73055366) electricity meter.

The net electricity is measured continuously by two meters (one main and on back up) at the grid interface and recorded monthly. The meters used are in line with the regulatory requirements for electricity meters that comply with EMRA (Energy Market Regulatory Authority) regulations.
The electricity meters will have been controlled and maintained by the grid owner. Net electricity generation is measured and recorded via meters sealed by TEIAS for billing purposes. 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 will controlling via EPIAS system which is the legal database of the Ministry.

3.2 Description of the baseline scenario

In line with ACM0002: ACM0002: Grid connected renewable electricity generation from renewable sources, version 22.0, if the project activity is the installation of a greenfield power plant, the baseline scenario is electricity delivered to the grid by the project activity would have otherwise been generated by the operation of grid-connected power plants and by the addition of new generation sources, as reflected in the combined margin (CM) calculations described in the "Tool 07: Tool to calculate the emission factor for an electricity system, version 07.0".
As the methodology directly states the baseline scenario, there is no need to carry out other analyses.
The project supplies electricity generated from wind turbines to the national grid. Thus, the PDD correctly identifies baseline scenario comprised of electricity generation from grid-connected power plants in Turkey. The Combined Margin Emission Factor has been taken from the Ministry of Energy and Natural Resources on 18.03.2024 (https://enerji.gov.tr//Media/Dizin/EVCED/tr/%C3%87evreVe%C4%B0klim/%C4%B0klimDe%C4%9Fi%C5%9Fikli%C4%9Fi/TUESEmisyonFktr/Belgeler/TUESEF_Bilgi_Formu.pdf). The Ministry has calculated the factors using the "Tool 07: Tool to calculate the emission factor for an electricity system v07.0". Since it's the latest available and official data, published by the ministry, these factors have been considered as follows, OM Factor is taken as "0.7279 tCO2/MWh", BM Factor is taken as "0.3541 tCO2/MWh" and CM Factor is taken as "0.6345 tCO2/MWh" in line with official data.
Based on the validation team's local and sectoral knowledge, physical audit (on site visit observations) observations and by cross-checking the information with similar relevant projects, it is confirmed that the selected baseline scenario is the prevailing practice in the host country and in line with the host country regulations.
All the assumptions and data used by the PPs are listed in the PDD, including references and sources, all the references and documents used are relevant for establishing the baseline scenario and correctly quoted in the PDD, all relevant national and sectoral policies/regulations considered are listed in the PDD and the identified baseline scenario reasonably represented what would occur in the absence of the proposed project activity.

3.3 Projected emissions mitigations

Year	Baseline emissions (tCO_2e)	Project emissions (tCO_2e)	Estimated leakage (tCO_2e)	Reductions (tCO_2e)	Removals (tCO_2e)	Total GHG emission

						mitigations (tCO_2e)
06.12.2016 to 31.12.2016	9,111	0	0	9,111	0	9,111
01.01.2017 to 31.12.2017	127,915	0	0	127,915	0	127,915
01.01.2018 to 31.12.2018	127,915	0	0	127,915	0	127,915
01.01.2019 to 31.12.2019	127,915	0	0	127,915	0	127,915
01.01.2020 to 31.12.2020	127,915	0	0	127,915	0	127,915
01.01.2021 to 31.12.2021	127,915	0	0	127,915	0	127,915
01.01.2022 to 31.12.2022	127,915	0	0	127,915	0	127,915
01.01.2023 to 31.12.2023	127,915	0	0	127,915	0	127,915
01.01.2024 to 31.12.2024	127,915	0	0	127,915	0	127,915
01.01.2025 to 31.12.2025	127,915	0	0	127,915	0	127,915
01.01.2026 to 31.12.2026	118,803	0	0	118,803	0	118,803
Total	**1,279,149**	0	0	**1,279,149**	0	**1,279,149**
Annual average	**127,915**	**0**	**0**	**127,915**	**0**	**127,915**

4. Validation activities

4.1 Validation planning

The validation was performed by a competent validation team consisting of "Beyda ALTUNTAŞ" as the Team Leader, "Helin TÜZER" as the Trainee Validator, "Murat GENÇER" as the Financial Expert and "Sandeep KANDA" as the ITR. The validation team and ITR were assigned to this validation activity on 26/07/2023 (with team change 25/03/2024), taking all the above factors into consideration and following the contract review procedure.
The "validation team" and "technical reviewer and approver" details are given in Sections 2.5.

Task	Performed (Y/N)
Strategic analysis	☒
Materiality thresholds	☒
Test estimates	☐
Assessment of GHG-related activity characteristics	☒
Validation plan	☒
Evidence-gathering plan	☒

4.2 Validation plan

Validation Schedule

Activity	Timeline		Total Days
	From	To	
Desk Review	27.12.2023	16.04.2024	112
Review of the PDD version 01	17.04.2024	24.04.2024	8
Site Visit	16.04.2024	16.04.2024	1
Issuance of the Validation Protocol version 01	24.04.2024	24.04.2024	1
Review of PPs Initial Set of Responses	10.07.2024	17.07.2024	8
Issuance of the Validation Protocol version 02	17.07.2024	17.07.2024	1
Review of PPs Second Loop Responses	22.07.2024	24.07.2024	3
Closing of all the CARs and CLs	26.07.2024	29.07.2024	4
Issuance of the Validation Report version 01	29.07.2024	29.07.2024	1
ITR Process	30.07.2024	31.07.2024	2
Issuance of the Validation Report version 02	8.10.2024	8.10.2024	1
ITR Process	8.10.2024	11.10.2024	4
Issuance of the Validation Report version 03	11.10.2024	18.10.2024	8
Submission for Final Approval	22.10.2024	24.10.2024	3
Submission to the PP	24.10.2024	24.10.2024	1
Revisions based on ICR review comments round 1	22.01.2025	29.01.2025	8

4.3 Evidence gathering plan

The list of the documents which were reviewed during the validation period is given in Appendix I. It is stated in this validation report (in the relevant sections) which documents are used to confirm for which information.

4.4 Activities and techniques

The processes of the validation activity are desk review, on site visit, follow-up interviews, resolution of outstanding issues, technical review and issuance of final opinion on the project activity.

4.5 Review of documented information

The list of the documents which were reviewed during the validation period is given in Appendix I. It is stated in this validation report (in the relevant sections) which documents are used to confirm for which information.

4.6 Interviews

During the validation period, follow-up interviews were performed by the validation team to further analyze the correctness and accurateness of the information provided.
The list of individuals who were interviewed during the validation site visit, executed on 16/04/2024 is given in Table below:

ID	Last name	First name	Role	Date	Subject	Team member
1	Astepe	Alparslan	Operational Manager- Olgu Enerji Yatırım Üretim ve Ticaret A.Ş. (mogan Enerji)	16/04/2024	Interwievs about Legal Regulations and necessary document with in line with local regulation process.	Mrs. Beyda ALTUNTAŞ (Team Leader) Ms. Helin TÜZER (Trainee Validator)
2	Özkavukas	Tamer	Maintance Engineer- Olgu Enerji Yatırım Üretim ve Ticaret A.Ş. (mogan Enerji)	16/04/2024	Interwievs about all necessary documents with in line with project activity.	Mrs. Beyda ALTUNTAŞ (Team Leader) Ms. Helin TÜZER (Trainee Validator)
3	Kamişli	Halil	Personnel Cheff- Olgu Enerji Yatırım Üretim ve Ticaret A.Ş. (mogan Enerji)	16/04/2024	Interwievs about •Noise due to the project activity •Sufficiency of local employment •Waste management practices implemented by PP •Impact of the project on flora and fauna including bird life •Land acquisition process of the project activity	Mrs. Beyda ALTUNTAŞ (Team Leader) Ms. Helin TÜZER (Trainee Validator)

					•Technical details of project •Legal statement of project and further details about project activity .	
4	Gökşan	Hakan	Command Operator-Olgu Enerji Yatırım Üretim ve Ticaret A.Ş. (mogan Enerji)	16/04/2024	Interwievs about •Noise due to the project activity •Sufficiency of local employment •Waste management practices implemented by PP •Impact of the project on flora and fauna including bird life •Land acquisition process of the project activity •Technical details of project •Legal statement of project and further details about project activity .	Mrs. Beyda ALTUNTAŞ (Team Leader) Ms. Helin TÜZER (Trainee Validator)
5	Güntin	Nazmiye	Servicer (Female employee) - Olgu Enerji Yatırım Üretim ve Ticaret A.Ş. (mogan Enerji)	16/04/2024	Interwievs about •Noise due to the project activity •Sufficiency of local employment •Waste management practices implemented by PP •Impact of the project on flora and fauna including bird life •Land acquisition process of the project activity	Mrs. Beyda ALTUNTAŞ (Team Leader) Ms. Helin TÜZER (Trainee Validator)

					•Technical details of project •Legal statement of project and further details about project activity .	
6	Yılmaz	Bayram	Command Operator-Olgu Enerji Yatırım Üretim ve Ticaret A.Ş. (mogan Enerji)	16/04/2024	Interwievs about •Noise due to the project activity •Sufficiency of local employment •Waste management practices implemented by PP •Impact of the project on flora and fauna including bird life •Land acquisition process of the project activity •Technical details of project •Legal statement of project and further details about project activity .	Mrs. Beyda ALTUNTAŞ (Team Leader) Ms. Helin TÜZER (Trainee Validator)
7	Başoğlu	Mithat	Farmer from Çobansaray Village	16/04/2024	Interwievs with local stakeholders about •Noise due to the project activity •Sufficiency of local employment •Waste management practices implemented by PP •Impact of the project on flora and fauna including bird life	Mrs. Beyda ALTUNTAŞ (Team Leader) Ms. Helin TÜZER (Trainee Validator)

					•Land acquisition process of the project activity •Technical details of project •Legal statement of project and further details about project activity .	
8	Başoğlu	Nurcan	Farmer from Çobansaray Village (Female local stakeholder)	16/04/2024	Interwievs with local stakeholders about •Noise due to the project activity •Sufficiency of local employment •Waste management practices implemented by PP •Impact of the project on flora and fauna including bird life •Land acquisition process of the project activity •Technical details of project •Legal statement of project and further details about project activity .	Mrs. Beyda ALTUNTAŞ (Team Leader) Ms. Helin TÜZER (Trainee Validator)
9	Başoğlu	Kazım	Mukhtar of Çobansaray Vİllage	16/04/2024	Interwievs with local stakeholders about •Noise due to the project activity •Sufficiency of local employment •Waste management practices implemented by PP	Mrs. Beyda ALTUNTAŞ (Team Leader) Ms. Helin TÜZER (Trainee Validator)

					•Impact of the project on flora and fauna including bird life •Land acquisition process of the project activity •Technical details of project •Legal statement of project and further details about project activity .	
10	Başoğlu	Yüksel	Villager from Çobansaray Village (Female local stakeholder)	16/04/2024	Interwievs with local stakeholders about: •Noise due to the project activity •Sufficiency of local employment •Waste management practices implemented by PP •Impact of the project on flora and fauna including bird life •Land acquisition process of the project activity •Legal statement of project and further details about project activity .	Mrs. Beyda ALTUNTAŞ (Team Leader) Ms. Helin TÜZER (Trainee Validator)
11	Tüzer	Helin	Trainee Validator from Re-carbon	16/04/2024	-	Mrs. Beyda ALTUNTAŞ (Team Leader) Ms. Helin TÜZER (Trainee Validator)
12	Altuntaş	Beyda	Team Leader from Re-carbon	16/04/2024	-	Mrs. Beyda ALTUNTAŞ (Team Leader)

						Ms. Helin TÜZER (Trainee Validator)

4.7 Inspection

The project is fully implemented according to the description presented in the PDD and 31 wind turbines were operational during the physical visit. The validation team confirms through the physical 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 PDD. Electricity meters were also seen during the physical visit. The project activity is completely operational and the same has been confirmed through physical site visit.
Each wind turbine has an installed capacity of 2.75 MWm/1.858 MWe (85.25 MWm/57.60 MWe in total). This information has been confirmed via the provisional acceptance protocols of the wind turbines. The technical specifications of the wind turbines are confirmed by looking at the technical document of the wind turbines.
As a part of the validation activities a physical site visit was executed to the project activity's location. Also, Beyda Altuntaş was joined physically as a Team Leader.

4.8 Conformity

Criteria	Assessed	No. non-conformities	Resolved
1. Project description			
1.1 Purpose, objectives and general description of the project	☒ Y ☐ N	CL-1, CL-2, CAR-1, CAR-2, CAR-12, CAR-16	☒ Y ☐ N ☐ N/A
1.2 Project type and sectoral scope	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
1.3 Project	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
1.3.1 Eligibility criteria for grouped project	☒ Y ☐ N ☐ N/A	None	☒ Y ☐ N ☐ N/A
1.4 Location	☒ Y ☐ N	CAR-3, CAR-18	☒ Y ☐ N ☐ N/A
1.5 Conditions prior to implementation	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
1.6 Technology applied	☒ Y ☐ N	CAR-4, CAR17	☒ Y ☐ N ☐ N/A
1.7 Roles and responsibilities	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
1.7.1 Project proponent(s)	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
1.7.2 Others involved in the project	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
1.8 Chronological plan / implementation	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
1.9 Eligibility	☒ Y ☐ N	CAR-15	☒ Y ☐ N ☐ N/A
1.10 Funding	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
1.11 Ownership	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
1.12 Other certifications	☒ Y ☐ N ☐ N/A	None	☒ Y ☐ N ☐ N/A
1.13 Double counting, issuance and claiming	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
1.13.1 Other registration and double issuance	☒ Y ☐ N ☐ N/A	None	☒ Y ☐ N ☐ N/A

1.13.2 Double claiming and other instruments	☒ Y ☐ N ☐ N/A	None	☒ Y ☐ N ☐ N/A
1.14 Other benefits	☒ Y ☐ N ☐ N/A	None	☒ Y ☐ N ☐ N/A
1.15 Host country attestation	☒ Y ☐ N ☐ N/A	None	☒ Y ☐ N ☐ N/A
1.16 Additional information	☒ Y ☐ N ☐ N/A	None	☒ Y ☐ N ☐ N/A
1.16.1 Confidential/sensitive information	☒ Y ☐ N ☐ N/A	CL-4	☒ Y ☐ N ☐ N/A
2. Crediting			
2.1 Project start date	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
2.2 Expected operational lifetime or termination date	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
2.3 Crediting period	☒ Y ☐ N	CAR-5	☒ Y ☐ N ☐ N/A
2.4 Calander year of crediting	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
3. Safeguards			
3.1 Statutory requirements	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
3.2 Potential negative environmental and socio-economic impacts	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
3.3 Consultation with interested parties and communications	☒ Y ☐ N	CAR-6	☒ Y ☐ N ☐ N/A
3.3.1 Stakeholders and consultation	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
3.3.1 Public comments	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
3.4 Environmental impact assessment (EIA)	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
3.5 Risk assessment	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
3.5.1 Additional information on risk management	☒ Y ☐ N ☐ N/A	None	☒ Y ☐ N ☐ N/A
4. Methodology			
4.1 Reference to applied methodology and applied tools	☒ Y ☐ N ☐ N/A	None	☒ Y ☐ N ☐ N/A
4.2 Applicability of methodology	☒ Y ☐ N ☐ N/A	None	☒ Y ☐ N ☐ N/A
4.3 Deviation from applied methodology	☒ Y ☐ N ☐ N/A	None	☒ Y ☐ N ☐ N/A
4.4 Other information relating to methodology application	☒ Y ☐ N ☐ N/A	None	☒ Y ☐ N ☐ N/A
5. Additionality	☒ Y ☐ N		☒ Y ☐ N ☐ N/A
5.1 Level 1 - ISO 14064-2 GHG emissions additionality	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
5.2 Level 2a – Statutory additionality	☒ Y ☐ N ☐ N/A	None	☒ Y ☐ N ☐ N/A
5.3 Level 2b – Non-enforcement additionality	☒ Y ☐ N ☐ N/A	None	☒ Y ☐ N ☐ N/A
5.4 Level 3 – Technology, institutional, common practice additionality	☒ Y ☐ N	CAR-7, CAR-22, CAR-23	☒ Y ☐ N ☐ N/A
5.5 Level 4a – Financial additionality I	☒ Y ☐ N ☐ N/A	CAR-8	☒ Y ☐ N ☐ N/A
5.6 Level 4b – Financial additionality II	☒ Y ☐ N ☐ N/A	CAR-9, CAR-13, CAR-14, CAR-19, CAR-20, CAAR-21	☒ Y ☐ N ☐ N/A
5.7 Level 5 – Policy additionality	☒ Y ☐ N ☐ N/A	None	☒ Y ☐ N ☐ N/A
6. Baseline Scenario	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
7. Project Boundary	☒ Y ☐ N	CAR-10	☒ Y ☐ N ☐ N/A
8. Quantification of GHG emission mitigations	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
8.1 Criteria and procedures for quantification	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
8.1.1 Baseline emissions	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
8.1.2 Project emissions	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A

8.1.3 Leakage	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
8.2 Quantification of Net-GHG emissions and/or removals	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
8.3 Risk assessment for permanence	☒ Y ☐ N ☐ N/A	None	☒ Y ☐ N ☐ N/A
9. Management of data quality	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
10. Monitoring			
10.1 Monitoring plan	☒ Y ☐ N	CAR-11	☒ Y ☐ N ☐ N/A
10.2 Data and parameters remaining constant	☒ Y ☐ N	CL-4	☒ Y ☐ N ☐ N/A
10.3 Data and parameters monitored	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A

5. Validation Findings

5.1 Project Description

5.1.1 Purpose, objectives and general description of the project

Means of Project Validation	Desk Review,interviews and physical site visit. The purpose of the project is to provide renewable electricity to the Türkiye grid through wind energy. "Albay Çiğiltepe WPP Capacity Addition Project" is operated by "Olgu Enerji Yatırım Üretim ve Ticaret A.Ş.". The project activity is located in "Keklicek and Bülüçalanlı" villages of "Dinar" town, approximately 80 km southwest of the city of Afyonkarahisar, in "Türkiye". The purpose of the project is to provide renewable electricity to the "Türkiye" grid through wind energy. According to the "provisional acceptance" document, the start date of the operation of the project is "06/12/2016". The project initially developed as 115 MWm/115MWe with 50 Siemens SWT-2.3-108 wind turbines and the estimation of annual generation has been indicated as 402,500 MWh in initial Generation License.However, there are additional 31 GE 2.75-120 type turbines with the installed capacity of 2.75 MWm/ 1.858 MWe each with total installed capacity 85.25 MWm/ 57.60 MWe. In sum, there are totally 81 wind turbines currently at project site and estimated total annual electricity generation is increased as 604,100 MWh with capacity addition. However, 31 of them are under consideration on behalf of Albay Çiğiltepe WPP Capacity Addition Project as a capacity addition in line with updated Generation License. 31 GE wind turbines are available at the project site with the installed capacity of 2.75 MWm/ 1.858 MWe each with total installed capacity 85.25 MWm/ 57.60 MWe and estimated annual electricity generation is 201,600 MWh. Therefore, the total installed capacity of the project activity is 200.25 MWe (just 85.25 MWm/ 57.60 MWe under consideration). Based on real electricity generation data of capacity addition part (for 31 GE wind turbines with 85.25 MWm/ 57.60 MWe under consideration), the average value of the electricity generation is calculated as 201,600 MWh/year. Also, the annual estimated emission reduction of the project is calculated as 127,915 tCO2e/year. The commissioning dates of all wind turbines as listed below: •Commissioning dates of first phase is on 06/12/2016 (for 17 wind turbines: T51, T52, T53, T55, T57, T58, T59, T60, T61, T62, T63, T64, T65, T66, T79, T80 and T81) also this is the start date of project activity •Commissioning dates of second phase is on 30/12/2016 (for 4 turbines: T54, T67, T68 and T72) •Commissioning dates of third phase is on 27/01/2017 (for 5 turbines: T56, T69, T70, T71 and T73) •Commissioning dates of fourth phase is on 16/02/2017 (for 5 turbines: T74, T75, T76, T77 and T78). The wind turbines' coordinates have been confirmed via the reference link (https://maps.app.goo.gl/39Q9fcroyjrRdWXo9) and also KMZ file of project specific area. The Combined Margin Emission Factor has been taken from the Ministry of Energy and Natural Resources on 18.03.2024 (https://enerji.gov.tr//Media/Dizin/EVCED/tr/%C3%87evreVe%C4%B0klim/%C4%B0klimDe%C4%9Fi%C5%9Fikli%C4%9Fi/TUESEmisyonFktr/Belgeler/TUESEF_Bilgi_Formu.pdf) . The Ministry has calculated the factors using the "Tool 07: Tool to calculate the emission factor for an electricity system v07.0". Since it's the latest available and official data, published by the ministry, these factors have been considered as follows, OM Factor is

taken as “0.7279 tCO2/MWh”, BM Factor is taken as “0.3541 tCO2/MWh” and CM Factor is taken as “0.6345 tCO2/MWh” in line with official data.

Based on real electricity generation data in line with Generation License, the average value of the electricity generation is calculated as 201,600 MWh/year. Also, the annual estimated emission reduction of the project is calculated as 127,915 tCO2e/year.

The chosen crediting period is from 06/12/2016 to 05/12/2026. The total estimated emission reduction value for the crediting period is 1,279,149 tCO2e.

The spatial extent of the project boundary includes the project power plant/unit and all power plants/units connected physically to the Türkiye grid system that the project power plant is connected to as per the applied methodology ACM0002, version 22.0. As per this statement the project boundary includes:

- The project activity (Albay Çiğiltepe WPP Capacity Addition Project)
- Substation that connects the Albay Çiğiltepe WPP Capacity Addition Project to the Türkiye grid system
- Türkiye grid system

In the absence of the project activity, the same amount of electricity generated by the Albay Çiğiltepe WPP Capacity Addition Project would have otherwise been generated by the operation of Türkiye grid-connected power plants and by the addition of new generation sources into the grid (Türkiye grid system is dominated by nuclear and thermal power plants).

There are 3 Transformer Center currently at project site as Transformer A, Transformer B and Transformer C and there are 6 meters connect to transformer centers as 3 main and 3 back-up meters . The first part of the project uses different meters (with serial number 53099629, 53099630, 65005954 and 65005955) than the capacity addition part which is under consideration for 31 wind turbines (with serial number73055365 and 73055366). These meters (with serial number 53099629, 53099630, 65005954 and 65005955) are also placed at the Powerhouse, connected to the Transformer-A and Transformer-B.

Only the Transformer C and related connected meters (with serial number for main meter: 73055365 and with serial number for back-up meter: 73055366) are under consideration for 31 additional wind turbines with in the scope of Albay Çiğiltepe WPP Capacity Addition Project. Other components are mentioned to explain the integrity of the project activity.

Meter	Type	Accuracy	Serial Number	First Index Date
Main Meter	ITRON	0.2S	73055365	09/03/2022
Backup Meter	ITRON	0.2S	73055366	09/03/2022

First index date of electricity meters (with serial number for main meter: 73055365 and with serial number for back-up meter: 73055366) was on 09/03/2022. At the time of first index of related meters which is under consideration of 31 wind turbines with serial number 73055365 and 73055366, other meters (with serial number 53099629, 53099630, 65005954 and 65005955) replacement has been done on same day by legal authorizatipon in line with first index protocol,calibration document and meter test records.

Calibration procedures is conducted every ten year and meter test frequency is every two year as in line with legal authorization (EMRA). The net electricity is measured continuously by one main (with serial number 73055365) electricity meters at the grid

	interface and recorded monthly. There is also one back-up (with serial number 73055366) electricity meter. The net electricity is measured continuously by two meters (one main and on back up) at the grid interface and recorded monthly. The meters used are in line with the regulatory requirements for electricity meters that comply with EMRA (Energy Market Regulatory Authority) regulations. The electricity meters will have been controlled and maintained by the grid owner. Net electricity generation is measured and recorded via meters sealed by TEIAS for billing purposes. 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 will controlling via EPIAS system which is the legal database of the Ministry The commissioning dates of the wind turbines have been confirmed via the provisional acceptance protocols and generation license of the wind turbines.Moreover, the necessary documents for the project activity (e.g. generation license, permission letters and so on) have been provided to the VVB. The details of these documents are available in Appendix I of this report. In summary, Re Carbon Ltd. confirms that the general description of the project activity has been stated correctly and supported by the related evidence documents.
Findings	CAR-1, CAR-2, CL-1 and CL-2 were raised during the validation process, which was successfully closed.
Conclusion	In summary, Re Carbon Ltd. confirms that the general description of the project activity has been stated correctly and supported by the related evidence documents.

5.1.2 Project type and sectoral scope

Means of Project Validation	Desk Review and Interviews As per the provisional acceptance protocols and generation license of the wind turbines, the total installed capacity of the project activity is 85.25 MWm/ 57.60 MWe . Therefore, the project activity is a large-scale project activity. The KMZ file has been reviewed for before 2016 and there was existing construction in the project area before the additional part implementation. According to the "provisional acceptance" document, the start date of the operation of the project is "06/12/2016". The project initially developed as 115 MWm/115MWe with 50 Siemens SWT-2.3-108 wind turbines and the estimation of annual generation has been indicated as 402,500 MWh in initial Generation License.However, there are additional 31 GE 2.75-120 type turbines with the installed capacity of 2.75 MWm/ 1.858 MWe each with total installed capacity 85.25 MWm/ 57.60 MWe. In sum, there are totally 81 wind turbines currently at project site and estimated total annual electricity generation is increased as 604,100 MWh with capacity addition. However, 31 of them are under consideration on behalf of Albay Çiğiltepe WPP Capacity Addition Project as a capacity addition in line with updated Generation License. 31 GE wind turbines are available at the project site with the installed capacity of 2.75 MWm/ 1.858 MWe each with total installed capacity 85.25 MWm/ 57.60 MWe and estimated annual electricity generation is 201,600 MWh. Therefore, the total installed capacity of the project activity is 200.25 MWe (just 85.25 MWm/ 57.60 MWe under consideration). Therefore, the project activity is a greenfield. Since wind energy is utilized to generate clean electricity, the project type is "Type-1 Renewable Energy Projects". Also, the project is under "Sectoral Scope 1: Energy industries (renewable - / non-renewable sources)".

Findings	No finding in this section
Conclusion	In summary, Re Carbon Ltd. confirms that the project type and sectoral scope of the project activity have stated correctly and supported by the related evidence documents.

5.1.3 Project

Means of Project Validation	Desk Review, interviews and physical site visit The project activity is indicated as Large-scale with in the scope of related requirements. Total installed capacity of project is 85.25 MWm/ 57.60 MWe which is more than 15 MW in accordance with generation license and related calculations. The project activity is located in "Keklicek and Bülüçalanlı" villages of "Dinar" town, approximately 80 km southwest of the city of Afyonkarahisar, in "Türkiye". The purpose of the project is to provide renewable electricity to the "Türkiye" grid through wind energy in single area. Also, this has been confirmed during the on-site visit by the audit team.
Findings	No finding in this section
Conclusion	In summary, Re Carbon Ltd. confirms that the project have been stated correctly and supported by the related evidence documents.

5.1.3.1 Eligibility criteria for grouped project

Means of Project Validation	Desk Review and Interviews The project activity of Albay Çiğiltepe WPP Capacity Addition Project is not a grouped project. The project has been designed to include a single location.
Findings	No finding in this section.
Conclusion	In summary, Re Carbon Ltd. confirms that the project activiy is not a type of grouped project and this has been stated correctly and supported by the related evidence documents.

5.1.4 Location

Means of Project Validation	Desk Review, interviews and physical site visit The location of the project has been confirmed via "Generation License" and "Provisional Acceptance" Documents of the project activity. Moreover, the KMZ file of the project has been provided to the VVB. The coordinates of the wind turbines has been confirmed via (https://maps.app.goo.gl/39Q9fcroyjrRdWXo9) weblink. Moreover, during the physical site visit, the wind turbines locations have been confirmed by audit team.
Findings	CAR-3 was raised during the validation process, which was successfully closed
Conclusion	In summary, Re Carbon Ltd. confirms that the location of the project activity has been stated correctly and supported by the related evidence documents.

5.1.5 Conditions prior to implementation

Means of Project Validation	Desk Review, interviews and physical site visit The KMZ file has been reviewed for before 2016 and there was existing construction in the project area before the additional part implementation. According to the "provisional acceptance" document, the start date of the operation of the project is "06/12/2016". The project initially developed as 115 MWm/115MWe with 50 Siemens SWT-2.3-108 wind turbines and the estimation of annual generation has been indicated as 402,500 MWh in initial Generation License.However, there are additional 31 GE 2.75-120 type turbines with the installed capacity of 2.75 MWm/ 1.858 MWe each with total installed capacity 85.25 MWm/ 57.60 MWe. In sum, there are totally 81 wind turbines currently at project site and estimated total annual electricity generation is increased as 604,100

	MWh with capacity addition. However, 31 of them are under consideration on behalf of Albay Çiğiltepe WPP Capacity Addition Project as a capacity addition in line with updated Generation License. 31 GE wind turbines are available at the project site with the installed capacity of 2.75 MWm/ 1.858 MWe each with total installed capacity 85.25 MWm/ 57.60 MWe and estimated annual electricity generation is 201,600 MWh. Therefore, the total installed capacity of the project activity is 200.25 MWe (just 85.25 MWm/ 57.60 MWe under consideration).. Therefore, the project activity is a greenfield. Before the implementation of the project activity, the amount of renewable electricity generated by the project activity was utilized from the carbon intensive Türkiye national grid system, which is dominated by nuclear and fossil fuel based power plants. These energy sources have been confirmed via the relevant evidence document .
Findings	No finding in this section
Conclusion	In summary, Re Carbon Ltd. confirms that the conditions prior to initiation of the project activity have been stated correctly and supported by the related evidence documents.

5.1.6 Technology applied

Means of Project Validation	Desk Review, interviews and physical site visit The number of the wind turbines, their brands and the installed capacities of them have been confirmed via the generation license of the project activity. The brand of the turbines is GE (General Electric). GE with the type of "31 GE 2.75-120" technical document has been provided to the VVB. There are one main and one back-up electricity meters at the substation which is the electricity is transmitted to substation Dinar TM via a 14.781 km, 154 kV transmission line. The substation where the project electricity is supplied to the national grid is operated by the TEİAŞ. TEİAŞ is a governmental entity, who is responsible the electricity distribution system operator. The records of the electricity meters in the substation will be used as an official source for the electricity generation of the project activity. The records of the electricity meters at the project site will be used as a cross-checked method of the electricity generation. The technical details of the electricity meters have been confirmed via TEİAŞ document and website, signed by the Olgu Enerji Yatırım Üretim ve Ticaret A.Ş. according to connection agreement with TEİAŞ. Moreover, according to Tool 10, the technical lifetime of this wind power plant is 25 years.
Findings	CAR-4 was raised during the validation process, which was successfully closed.
Conclusion	In summary, Re Carbon Ltd. confirms that the technology applied of the project activity has been stated correctly and supported by the related evidence documents.

5.1.7 Roles and responsibilities

Means of Project Validation	Desk Review, interviews and physical site visit The official project owner "Olgu Enerji Yatırım Üretim ve Ticaret A.Ş." has been confirmed via the official documents (e.g. provisional acceptance protocols of the wind turbines, generation license and so on). Also, the employees of Olgu Enerji Yatırım Üretim ve Ticaret A.Ş. (from Albay Çiğiltepe WPP Capacity Addition Project) have been interviewed during the physical site visit. This information has been confirmed by the project owner.
Findings	No finding in this section
Conclusion	In summary, Re Carbon Ltd. confirms that the roles and responsibilities have been stated correctly and supported by the related evidence documents.

5.1.7.1 Project proponent(s)

Means of Project Validation	Desk Review, interviews and physical site visit The official project owner "Olgu Enerji Yatırım Üretim ve Ticaret A.Ş." has been confirmed via the official documents (e.g. provisional acceptance protocols of the wind turbines, generation license and so on). Also, the employees of Olgu Enerji Yatırım Üretim ve Ticaret A.Ş. (Albay Çiğiltepe WPP Capacity Addition Project) have been interviewed during the physical site visit.
Findings	No finding in this section.
Conclusion	In summary, Re Carbon Ltd. confirms that the project proponent has been stated correctly and supported by the related evidence documents.

5.1.7.2 Others involved in the project

Means of Project Validation	Desk Review, interviews and physical site visit The carbon consultant is ".Sekans Enerji Ltd. Şti..". This information has been confirmed by the project owner via contracts.
Findings	No finding in this section
Conclusion	In summary, Re Carbon Ltd. confirms that the other company involved in the project has been stated correctly.

5.1.8 Chronological plan/implementation

Means of Project Validation	Desk Review, interviews and physical site visit The commissioning dates of 31 wind turbines as listed below: •Commissioning dates of first phase is on 06/12/2016 (for 17 wind turbines: T51, T52, T53, T55, T57, T58, T59, T60, T61, T62, T63, T64, T65, T66, T79, T80 and T81) also this is the start date of project activity and crediting period •Commissioning dates of second phase is on 30/12/2016 (for 4 turbines: T54, T67, T68 and T72) •Commissioning dates of third phase is on 27/01/2017 (for 5 turbines: T56, T69, T70, T71 and T73) •Commissioning dates of fourth phase is on 16/02/2017 (for 5 turbines: T74, T75, T76, T77 and T78). Generation License initially dated on 16/03/2011 and updated in line with additional 31 wind turbine on 16/06/2016. The capacity addition part started the operation with 17 turbines with the total installed capacity of 46.75 MWm/31.586 MWe on 06/12/2016. in line with provisional acceptance protocol. Therefore, project activity started to supply the Türkiye grid system on 06/12/2016 for additional 31 wind turbines, and received payment. This date has been confirmed via the "Generation License" and "Provisional Acceptances" evidence documents. Moreover, the necessary documents for the project activity (e.g. EIA approval, permission letters and so on) have been provided to the VVB. The crediting period start date is therefore taken as 06/12/2016. The crediting period of the project activity is 10 years with no renewal(fixed). Therefore, the crediting period is from 06/12/2016 to 05/12/2026. Monitoring frequency will be planned every two year according to start date and registration date in line with granted by.
Findings	CAR-5 was raised during the validation process, which was successfully closed.
Conclusion	In summary, Re Carbon Ltd. confirms that the chronological plan for the project activity has been stated correctly and supported by the relevant evidence documents.

5.1.9 Eligibility

Means of Project Validation	Desk Review and Interviews

	Albay Çiğiltepe WPP Capacity Addition Project project is eligible as per the ACM0002 methodology which is in compliance with the ISO 14064-2. operation start date is before 2020 (i.e. 06/12/2016). Project shall complete its registration before 31 December 2023. The project activity satisfies the requirements for eligibility as stated in ICR Requirement Document Version 5 section 3.3. Thus, by adding clean and renewable electricity to the grid, the project "leads to mitigation of climate change." "All projects with a start date after 1 January 2013 are eligible for registration with ICR," according to paragraph 2 of Section 3.3. The proposed project is acceptable in this regard because its start date is 06/12/ 2016. As per ICR requirement document v.5.0 section 3.3,, "Projects with a start date before 1. January 2020 shall pre-register the project, have signed a contract with an approved VVB for validation/verification, and start the validation process before 31. December 2023". The project start date is 06/12/2016 and contract date with responsible VVB for Validation has been made on 25/12/2023 as indicated in Section 2.1 of VR. Thus, this requirements has been met.
Findings	No finding in this section
Conclusion	In summary, Re Carbon Ltd. confirms that the eligibility criteria of ICR ~~Standard~~ Requirement Document Version 5.0 has been stated correctly and supported by the relevant evidence documents.

5.1.10 Funding

Means of Project Validation	Desk Review, interviews and physical site visit Project was implemented and has been operated by the project owner, Olgu Enerji Yatırım Üretim ve Ticaret A.Ş., with its own financial resources. The project activity does not have any public funding or Official Development Assistance (ODA) funding. This information has been confirmed by the project owner as well.
Findings	No finding in this section.
Conclusion	In summary, Re Carbon Ltd. confirms that the information related to public funding has been stated correctly.

5.1.11 Ownership

Means of Project Validation	Desk Review, interviews and physical site visit The official project owner Olgu Enerji Yatırım Üretim ve Ticaret A.Ş. has been confirmed via the official documents (e.g. provisional acceptance protocols of the wind turbines, generation license and so on). Also, the employees of Olgu Enerji Yatırım Üretim ve Ticaret A.Ş. Albay Çiğiltepe WPP Capacity Addition Project have been interviewed.
Findings	No finding in this section.
Conclusion	In summary, Re Carbon Ltd. confirms that the ownership of the project activity has been stated correctly and supported by the relevant evidence documents.

5.1.12 Other certifications

Means of Project Validation	Desk Review and Interviews With a capacity of 78.2 MW, the project's first phase (existing 50 wind turbines) is registered with Gold Standard (https://registry.goldstandard.org/projects/details/79) . The project's capacity additional part (additional 31 wind turbines which is under consideration of this Validation Report) has not registered with any other GHG-related program and has not received any credits or certificates from any other program related to GHGs. Double counting issue has been assessed and the validation team has checked the VCS project database (http://vcsprojectdatabase.org/#/home), GS project database

	(https://www.goldstandard.org/resources/impact-registry) and GCC project database (https://projects.globalcarboncouncil.com/pages/submitted_projects) BioCarbon database (https://globalcarbontrace.io/projects) , Social Carbon database (https://wilder.earth/social_carbon) , UCR database (https://www.ucarbonregistry.io/) , Cercarbono database, (https://www.ecoregistry.io/projects-list/cercarbono-co2) and I-REC registry database (Device Register Table - IREC (evident.app) - were checked and this project is not available within VCS, GS and GCC projects' databases, either. The project does not appear on VCS, GS, GCC, BCR, SCR, I-REC and CCR registries, it could be confirmed that no other VER carbon credits are being issued for the project. Also, the signed and sealed letter for no double counting dated 24/07/2024 was provided by the project owner about double counting.
Findings	No finding in this section.
Conclusion	In summary, Re Carbon Ltd. confirms that the project did not receive and/or did not apply for any other GHG-related environmental crediting certifications.

5.1.13 Double counting, issuance and claiming

Means of Project Validation	Desk Review and Interviews With a capacity of 78.2 MW, the project's first phase (existing 50 wind turbines) is registered with Gold Standard (https://registry.goldstandard.org/projects/details/79) . The project's capacity additional part (additional 31 wind turbines which is under consideration of this Validation Report) has not registered with any other GHG-related program and has not received any credits or certificates from any other program related to GHGs. Double counting issue has been assessed and the validation team has checked the VCS project database (http://vcsprojectdatabase.org/#/home), GS project database (https://www.goldstandard.org/resources/impact-registry) and GCC project database (https://projects.globalcarboncouncil.com/pages/submitted_projects) BioCarbon database (https://globalcarbontrace.io/projects) , Social Carbon database (https://wilder.earth/social_carbon) , UCR database (https://www.ucarbonregistry.io/) , Cercarbono database, (https://www.ecoregistry.io/projects-list/cercarbono-co2) and I-REC registry database (Device Register Table - IREC (evident.app) were checked and this project is not available within VCS, GS and GCC projects' databases, either. The project does not appear on VCS, GS, GCC, BCR, SCR, I-REC and CCR registries, it could be confirmed that no other VER carbon credits are being issued for the project. Also, the signed and sealed letter for no double counting dated 24/07/2024 was provided by the project owner about double counting.
Findings	No finding in this section.
Conclusion	In summary, Re Carbon Ltd. confirms that the project has not been registered or is not seeking registration under any other GHG programs.

5.1.13.1 Double counting, issuance and claiming

Means of Project Validation	Desk Review and Interviews With a capacity of 78.2 MW, the project's first phase (existing 50 wind turbines) is registered with Gold Standard (https://registry.goldstandard.org/projects/details/79) . The project's capacity additional part (additional 31 wind turbines which is under consideration of this Validation Report) has not registered with any other GHG-related program and has not received any credits or certificates from any other program related to GHGs.

	Double counting issue has been assessed and the validation team has checked the VCS project database (http://vcsprojectdatabase.org/#/home), GS project database (https://www.goldstandard.org/resources/impact-registry) and GCC project database (https://projects.globalcarboncouncil.com/pages/submitted_projects) BioCarbon database (https://globalcarbontrace.io/projects) , Social Carbon database (https://wilder.earth/social_carbon) , UCR database (https://www.ucarbonregistry.io/) , Cercarbono database, (https://www.ecoregistry.io/projects-list/cercarbono-co2) and I-REC registry database (Device Register Table - IREC (evident.app) were checked and this project is not available within VCS, GS and GCC projects' databases, either. The project does not appear on VCS, GS, GCC, BCR, SCR, I-REC and CCR registries, it could be confirmed that no other VER carbon credits are being issued for the project. Also, the signed and sealed letter for no double counting dated 24/07/2024 was provided by the project owner about double counting.
Findings	No finding in this section.
Conclusion	In summary, Re Carbon Ltd. confirms that the project has not been registered or is not seeking registration under any other GHG programs.

5.1.13.2 Double claiming and other instruments

Means of Project Validation	Desk Review and Interviews With a capacity of 78.2 MW, the project's first phase (existing 50 wind turbines) is registered with Gold Standard (https://registry.goldstandard.org/projects/details/79) . The project's capacity additional part (additional 31 wind turbines which is under consideration of this Validation Report) has not registered with any other GHG-related program and has not received any credits or certificates from any other program related to GHGs. Double counting issue has been assessed and the validation team has checked the VCS project database (http://vcsprojectdatabase.org/#/home), GS project database (https://www.goldstandard.org/resources/impact-registry) and GCC project database (https://projects.globalcarboncouncil.com/pages/submitted_projects) BioCarbon database (https://globalcarbontrace.io/projects) , Social Carbon database (https://wilder.earth/social_carbon) , UCR database (https://www.ucarbonregistry.io/) , Cercarbono database, (https://www.ecoregistry.io/projects-list/cercarbono-co2) and I-REC registry database (Device Register Table - IREC (evident.app) were checked and this project is not available within VCS, GS and GCC projects' databases, either. The project does not appear on VCS, GS, GCC, BCR, SCR, I-REC and CCR registries, it could be confirmed that no other VER carbon credits are being issued for the project. Also, the signed and sealed letter for no double counting dated 24/07/2024 was provided by the project owner about double counting.
Findings	No finding in this section.
Conclusion	In summary, Re Carbon Ltd. confirms that the project has not been registered or is not seeking registration under any other GHG programs.

5.1.14 Other benefits

Means of Project Validation	Desk Review and Interviews Project activity contributes to the diversification of energy mix of Türkiye from fossil fuel to renewables; and avoids GHG emissions from Türkiye grid system. The project activity contributes to SDG 7, SDG 8 and SDG 13 as follows: • SDG 7: 201,600 MWh/year

	• SDG 8: 18 employees (The number of employee is taken as 20, which is the maximum number of estimation and also 16 of them are local) • SDG 13: 127,915 tCO2e/year
Findings	No finding in this section.
Conclusion	In summary, Re Carbon Ltd. confirms that the other benefits of the project activity have been stated correctly and supported by the relevant evidence documents.

5.1.15 Host country attestation

Means of Project Validation	Desk Review and Interviews As of currently, Türkiye, the host country is not required to have a letter of assurance and authorization. In the event that an obligatory mechanism is implemented in the future, the HCA will be furnished either in the first or subsequent verification process.
Findings	No finding in this section.
Conclusion	In summary, Re Carbon Ltd. confirms that the host country attestion of the project activity have been stated correctly and supported by the relevant evidence documents.

5.1.16 Additional information

Means of Project Validation	Desk Review and Interviews Additional information has been confirmed via related documents, legal rules and requirements and interviews. The project complies with the mandatory laws and regulations listed below: •Electricity Market Law (Enacted on 14/03/2013) •Law on Utilization of Renewable Energy Resources for the Purpose of Generation Electricity (Enacted on 10/05/2005) •Energy Efficiency Law (Enacted on 18/04/2007) •Environment Law (Enacted on 09/08/1983) •Forest Law (Enacted on 31/08/1956)
Findings	No findings were raised in this section.
Conclusion	All information provided in this document is publicly available.

5.1.17 Confidential/sensitive information

Means of Project Validation	Desk Review and Interviews Nothing in the project design description needs to be kept out of the public version.
Findings	No findings were raised in this section.
Conclusion	All information provided in this document is publicly available.

5.2 Crediting

5.2.1 Project start date

Means of Project Validation	Desk Review and Interviews The project start date was on 06/12/2016 as per the Generation license and Provisional Acceptances. This date has been also confirmed via the "Connection agreement with TEİAŞ" and "Generation License" evidence documents. Moreover, the necessary documents for the project activity (e.g. provisional acceptances, permission letters and so on) have been provided to the VVB
Findings	No finding in this section.
Conclusion	In summary, Re Carbon Ltd. confirms that the reason of choosing crediting period is suitable with in line with project start date.

5.2.2 Expected operational lifetime or termination date

Means of Project Validation	Desk Review and Interviews The technical lifetime of the project activity is indicated as 25 years as per Tool 10.
Findings	No finding in this section.
Conclusion	In summary, Re Carbon Ltd. confirms that the reason of choosing the expected operational lifetime of the project is suitable.

5.2.3 Crediting period

Means of Project Validation	Desk Review and Interviews The commissioning date of the project activity is 06/12/2016 as per TEAİŞ commissioning protocol and Generation License. Therefore, project activity started to supply the Türkiye grid system on 06/12/2016, and received payment. This date has been confirmed via the "Generation License" and "Provisional Acceptances" evidence documents. Moreover, the necessary documents for the project activity (e.g. EIA approval document, permission letters and so on) have been provided to the VVB. The crediting period start date is therefore taken as 06/12/2016. The crediting period of the project activity is 10 years with no renewal(fixed). Therefore, the crediting period is from 06/12/2016 to 05/12/2026.
Findings	CAR-5 was raised during the validation process, which was successfully closed.
Conclusion	In summary, Re Carbon Ltd. confirms that the reason of choosing the crediting period is suitable.

5.2.4 Calander year of crediting

Means of Project Validation	Desk Review and Interviews Calender year of crediting has been indicated for each year which are between 06/12/2016 and 05/12/2026. Apportioning month calculations for 12/2016 and 12/2026 has been indicated with related formulation in ER Excel Sheet and PDD appropriately with round down function as a conservative approach. For the apportioning month of December 2016; data were collected on yearly basis (365 days for year 2016) and then multiplied by the total number of days in the related month (26 days for December 2016) that covered in monitoring period. For the apportioning month of December 2026; data were collected on yearly basis (365 days for year 2026) and then multiplied by the total number of days in the related year (339 days for year 2026 which process covering the whole year before 5 December 2026) that covered in crediting period. VVB checked and confirm these calculations.
Findings	No finding in this section.
Conclusion	In summary, Re Carbon Ltd. confirms that the reason of choosing the calendar yearof crediting is suitable.

5.3 Safeguards

5.3.1 Statutory requirements

Means of Project Validation	Desk Review and Interviews Renewable energy facilities in Türkiye are subject to a number of local, regional, and federal rules and regulations. Being a renewable power plant, Albay Çiğiltepe WPP Capacity Addition Project also complies with the laws listed below: •Electricity Market Law (Enacted on 14/03/2013) •Law on Utilization of Renewable Energy Resources for the Purpose of Generation Electricity (Enacted on 10/05/2005) •Energy Efficiency Law (Enacted on 18/04/2007)

	•Environment Law (Enacted on 09/08/1983) •Forest Law (Enacted on 31/08/1956) These laws and rules provide the regulatory structure within which Albay Çiğiltepe WPP Capacity Addition Project must operate, ensuring adherence to Türkiye's legislative framework on energy and general electricity market requirements
Findings	No finding in this section.
Conclusion	In summary, Re Carbon Ltd. confirms that the project activity is suitable in line with statutory requirements.

5.3.2 Potential negative environmental and socio-economic impacts

Means of Project Validation	Desk Review and Interviews The required Environmental Impact Assessment Report for the Albay Çiğiltepe WPP Capacity Addition Project has been developed as part of the efforts to secure the Environmental Consent for the Albay Çiğiltepe WPP Capacity Addition Project, which has been constructed by the business " Olgu Enerji Yatırım Üretim ve Ticaret A.Ş.". The project has complied with all "Environmental Permit" requirements, as evidenced by official documents obtained from the Approval from Ministry of Environment and Urbanization was taken on 23/08/2016, it was found after analyzing the request for an environmental permit. The Ornithology Report about bird migration and carcasses Ornithological and Ecological Evaluation Report for year 2023 and Noise Effect Report for year 2016 and Environmental Impact Assessment Report for year 2016 led to the issuance of the environmental permission on September 23/08/2016. Following technical and environmental examinations, the Ministry of Environment and Spatial Planning issued the final environmental permit on 23/08/2016. Moreover, during the EIA process, noise pollution assessment and stakeholder consultation has been done by Ministry of Environment and Spatial Planning as a legal authorization. In addition to that, the project activity meets the requirements for eligibility listed in ICR Requirement Document Version 5 section 4.2.1. The project "shall minimize and, where possible, avoid negative environmental and social impacts" as stated in Section 4 Paragraph 2. This can be achieved by avoiding the introduction of invasive species or allowing them to flourish as a result of project activities, avoiding the use of non-native species over native species and any potential negative effects, and avoiding the use of fertilizers, chemical pesticides, biological control agents, and other project-related inputs and any potential negative effects.
Findings	CAR-10 was raised during the validation process, which was successfully closed.
Conclusion	In summary, Re Carbon Ltd. confirms that the impacts, as presented in the PDD have been validated by the validation team and found appropriately described.

5.3.3 Consultation with interested parties and communications

Means of Project Validation	Desk Review and Interviews A comprehensive stakeholder consultation process was launched by Dinar Municipality Culture Center Meeting Hall in Afyonkarahisar Under the chairmanship of the Provincial Directorate of Environment and Urbanization on 02/06/2015 with in scope of EIA Process in advance of the project validation to identify and include relevant parties, including local communities, people with customary rights, local authorities, and non-governmental organizations (NGOs). Resources were made available in local languages and in formats that catered to various groups in order to honor the stakeholders' varied backgrounds. During the EIA Approval Process stakeholder consultation has been conduct Notification emails were sent to the designated stakeholders with the project

	brief attached and the date, time, and location of the local stakeholder meeting. The meeting took place at the plant, and for those who couldn't make it in person, there were scheduled remote discussions. Emails were forwarded to • NGO • Local Authorities • Other Relevant Local Parties On the stakeholder process was launched by emailing the parties listed above. The e-mail forwarded to other stakeholders received no reply. In addition, on September 28, a notice board was erected in the middle of the neighboring Hogosht hamlet, visible to all other interested parties. The poster gave the date, time, and location of the stakeholder meeting in addition to some basic project information.
Findings	CAR-6 was raised during the validation process, which was successfully closed.
Conclusion	In summary, Re Carbon Ltd. confirms that the consultation with interested parties and communications has been conducted appropriately as described PDD in line with evidence documents.

5.3.3.1 Stakeholders and consultation

Means of Project Validation	Desk Review and Interviews The local stakeholder consultation announcement has been made within the scope of the project to increase the capacity of Albay Çiğiltepe WPP Capacity Addition Project (also, Dinar Wind Power Plant is the previous name of the Albay Çiğiltepe WPP Capacity Addition Projcet as indicated in Genersation License) operated by Olgu Enerji Yatırım Üretim ve Ticaret A.Ş., the public participation meeting was published in the Official Gazette dated 25/11/2014 and numbered 29186 and announced to the public through local newspapers and the official gazette which is included brief information about the project, and the date for the local stakeholder meeting. Same information has been decelerated in page 256 of Environmental Impact Assessment Report . The meeting was held on 02/06/2015 at the Dinar Municipality Cultural Center Meeting Hall, with the attendance of local people. There is no negative comment has been reported in EIA report. Same information has been confirmed during the physical site visit on 16/04/2024 via local stakeholders interviews.
Findings	No finding in this section.
Conclusion	In summary, Re Carbon Ltd. confirms that the local stakeholder consultation has been conducted appropriately as described PDD in line with evidence documents.

5.3.3.2 Public comments

Means of Project Validation	Desk Review and Interviews Local stakeholders have directly communiciation with Operational Manager from Olgu Enerji Yatırım Üretim ve Ticaret A.Ş. Every comment made on the logbook which is in accessible area in closest settlements. In addition, Olgu Enerji Yatırım Üretim ve Ticaret A.Ş. helped to local people with book donation to schools, food aid is provided to animal shelters and 13.000 sapling is planted to nearby forest.The same informations has been confirmed by audit team with in line with physical site visit and via related evidence documents.
Findings	No finding in this section.
Conclusion	In summary, Re Carbon Ltd. confirms that the public comments process has been conducted appropriately as described PDD in line with evidence documents.

5.3.4 Environmental impact assessment (EIA)

Means of Project Validation	Desk Review and Interviews "EIA Approval" (23/08/2016) and "Environmental Assesment Report (EIA Report)" (June,2016) has been provided to the VVB. This permit is the final official environmental assessment of the project activity by the official experts of Türkiye government. As per this EIA report and permit, the project activity has no negative environmental effects and its potential environmental impacts were found to be environmentally. The Albay Çiğiltepe WPP Capacity Addition Project has With in the scope of Environmental Permit, the site visit and the review of additional information for the company " Olgu Enerji Yatırım Üretim ve Ticaret A.Ş.", for the Wind Energy Project "Albay Çiğiltepe WPP Capacity Addition Project", for the turbines located in the Cadastral area of Dinar district, for which it has Environmental Approval no 4274 dated on 23/08/2016, the "Ministry of Environment and Spatial Planning", assesses that the operator fulfills the technical and environmental conditions and takes a Decision to issue the "Environmental Permit ". Therefore, this project has been met all "Environmental Permit" conditions of project as can be proved by the official letters taken from the Ministry of Environment and Spatial Planning as an legal authorization.The same informations has been confirmed by audit team with in line with physical site visit and evidence documents.
Findings	No finding in this section
Conclusion	In summary, Re Carbon Ltd. confirms that the Environmental impact assessment (EIA) process has been conducted appropriately as described PDD in line with evidence documents.

5.3.5 Risk assessment

Means of Project Validation	Desk Review, interviews and physical site visit A general external stakeholder and community grievance mechanism is developed as part of the risk mechanism which includes provisions for collecting and responding to stakeholder grievances. The Project Company and the EPC contractor employ environmental and health and safety (EHS) staff to oversee the implementation of environmental and social management and stakeholder engagement during construction and operation. To identify risks, the monitoring has deviation from the estimation has been consedered in the PD and by the validation team. The steps taken to make sure the project meets the environmental, financial and social risk criteria has been summarized in below table:

In terms of the Dimension:	Identified Risks	Mitigation
Environmental	Ecosystem Protection, Wastewater	Ornithology report (2023) and charchasses records (2023) has been prepared by the PP and provided to VVB as an evidence document to show

		Generation , Solid Waste Generation , Hazardous Waste Generation , Noise Pollution	that project does not present a risk. Re-carbon Ltd confirmed that project does not affect negatively the endangered species, migration route, bird, bats, carcasses and nests through ornithology report presented and site-visit observations. Wastewater generated at site will be disposed in line with the regulations. Re Carbon confirmed that no mitigation measure is required for this indicator. Domestic solid wastes, waste oil and hazardous wastes will be collected and handled according to the Solid Waste Control Regulation and PP has contract with MOTAT who is the responsible organization of Ministry Of Environment Urbanization And Climate Change and MOTAT records has been provided by PP between year 2021 to 2023. Also, PP has waste disposal decleration with Ministry Of Environment Urbanization And Climate Change in year 2023. Re Carbon confirmed that no mitigation measure is required for this indicator. Level of noise resulted from the project has been assessed in the Environmental and Social Impact Assessment of the project with "EIA Approval" on "08/09/2016". EIA Report has been provided as an evidence document of noise impact assessment. Assessment indicates that the level of noise will be below the limits on the operation phase . Re Carbon confirmed that no mitigation measure is required for this indicator.
	Financial	Potential Power Price Changes	In Turkey, renewable energy power plants benefit from a fixed feed-in tariff for the initial decade of operation. This policy safeguards these plants from financial setbacks

		that could arise if electricity prices drop. Re Carbon confirmed that no mitigation measure is required for this indicator.
Social	Occupational Accidents Negative impacts on locals	In the host country (Turkiye), every power plant has to give OHS training to at least one of the 18 employees. This training will be provided to the employees annually. Re Carbon confirmed that no mitigation measure is required for this indicator. On site visit interviews, local people were interviewed and they have been asked whether the project activity presented any harm during the construction and operation phase. It was learned from the local people and local employees that no harm was made to them by the project activity and project holder. They stated that they are content with the project activity and the project holder. Re Carbon confirmed that no mitigation measure is required for this indicator.

The project's operation and GHG mitigation are not connected with any significant risks. Project has design change process with additional wind turbines and VVB has been assessed all related risk categories according to after capacity addition conditions and as explained above there is no risk identified with in the scope of related evidence documents. Same information has been confirmed during the on site visit interviews and inspections by VVB. Also, the other risks may include operational and technical risks. With routine maintenance activities (e.g. monitoring of operation of the project activity through OSOS Otomatik Sayaç Okuma Sistemi/Automatic meter reading system, visual inspections and so on), these risks can be minimized. The same informations has been confirmed by audit team with in line with physical site visit and evidence documents.

Findings	No finding in this section.
Conclusions	In summary, Re Carbon Ltd. confirms that the risk assessment process has been conducted appropriately as described PDD in line with evidence documents

5.3.5.1 Additional information on risk management

Means of Project Validation	Desk Review, interviews and physical site visit The project's operation and GHG mitigation are not connected with any significant risks. Project has design change process with additional wind turbines and VVB has been assessed all related risk categories according to after capacity addition conditions and as explained above there is no risk identified with in the scope of related evidence documents. Same information has been confirmed during the on site visit interviews and inspections by VVB. With routine maintenance activities (e.g. monitoring of operation of the project activity through OSOS (Otomatik Sayaç Okuma Sistemi/Automatic meter reading system, visual inspections and so on), operational and technical risks can be minimized. During the physical site visit, OSOS system has been checked by the validation team.
Findings	No finding in this section.
Conclusion	In summary, Re Carbon Ltd. confirms that the additional information on risk management process has been conducted appropriately as described PDD in line with evidence documents

5.4 Methodology

5.4.1 Reference to the applied methodology and applied tools

Means of Project Validation	Desk Review and Interviews The applied methodology for the project activity is "ACM0002: Large-scale consolidated methodology: Grid connected electricity generation from renewable sources", Version 22.0 which is the most recent version of the methodology. The project activity applies approved consolidated methodology ACM0002: Large-scale consolidated methodology: Grid connected electricity generation from renewable sources and the associated tools: • "Tool 01 :Tool for the demonstration and assessment of additionality, Version 07.0.0" • "Tool 07 : Tool to calculate the emission factor for an electricity system, Version 07.0" • "Tool 24: Common Practice, Version 03.1 " • "Tool 27: Investment Analysis, version 14.0" According to ACM0002, version 22.0, the latest approved tools shall be referenced in the PDD like, "Tool 7: Tool to calculate the emission factor for an electricity system" (Version 07.0), "Tool 1: Tool for the demonstration and assessment of additionality" (Version 07.0.0), "Tool 24: Common Prectice " (version 03.1) and " Tool 27: Investment Analysis (version 14.0)"which are the latest versions of the mentioned tools valid at the starting time and the above tools are applied to the ICR-PDD. Therefore, it could be concluded that the title, version and reference of the methodology including the associated tools are correct and valid.
Findings	No finding in this section.
Conclusion	In summary, Re Carbon Ltd. confirms that the Reference to the applied methodology and applied tools has been choosed appropriately with in line with project activity and applied methodology.

5.4.2 Applicability of methodology

Means of Project Validation	Desk Review and Interviews Re Carbon Ltd. has assessed the relevant information contained in the PDD, physical audit (on site visit interviews) and evidence obtained against the application criteria listed in the methodology. The applicability of this methodology is justified as below: • The proposed project activity (Albay Çiğiltepe WPP Capacity Addition Project) is a greenfield, renewable (wind power) electricity generation project, connected to the Türkiye national grid • The project activity is the installation of 85.25 MWm / 57.60 MWe wind power plant which is more than 15 MW and thus Albay Çiğiltepe WPP Capacity Addition Project has been identified as additional project as a large scale project in Türkiye country with in line with IRR calculations and related evidence documents • The project does not involve capacity addition, a retrofit of (an) existing plant(s) or a replacement of (an) existing plant(s) (Eventhough project has existing 50 wind turbine before the implementation of 31 wind turbines, these 31 additional wind turbines are under separate validation process) • Project activity does not involve switching from fossil fuels to renewable energy sources at the site of project activity • the project does not involve combined heat and power generation activity • The geographic and system boundaries for the Türkiye national electricity grid can be clearly identified and information on the characteristics of the grid is available. According to ACM0002 version 22.0, the latest approved tools shall be referenced in PDD like, “Tool to calculate the emission factor for an electricity system” (Version 07.0) and “Tool for the demonstration and assessment of additionality” (Version 07.0.0), which are the latest versions of the tools valid at the starting time and the above tools are applied to the PDD. Re Carbon Ltd. confirms that the selected baseline and monitoring methodology is applicable to the project activity and applies the latest version valid at the time of submitting the project activity for registration.
Findings	No finding in this section.
Conclusion	In summary, Re Carbon Ltd. confirms that applicability of methodology has been implemented appropriately with in line with project activity and applied methodology.

5.4.3 Deviation from applied methodology

Means of Project Validation	Desk Review and Interviews There is no methodological deviation.
Findings	No finding in this section.
Conclusion	There are no deviations from the ACM0002 methodology applied to the project activity.

5.4.4 Other information relating to methodology application

Means of Project Validation	Desk Review and Interviews There is nno other information relating to methodology application.
Findings	No finding in this section
Conclusion	ACM0002 methodology is fully applied.

5.5 Additionality

Means of Project Validation	Desk Review, iInterviews and physical site visit The project uses Tool 01, "Tool for the demonstration and assessment of additionality," Version 07.0.0, because it is a large-scale grid-connected wind power facility. The applied technique states that proving that the project activity is aaditional constitutes the first stage in proving additionality. This selection has been found appropriate by the validation team with in line with IRR Calculations and related evidence document.
Findings	No finding in this section.
Conclusion	In summary, Re Carbon Ltd. confirms that the additionality has been conducted appropriately with in line with project activity and applied methodology.

5.5.1 Level 1 - ISO 14064-2 GHG emissions additionality

Means of Project Validation	Desk Review and Interviews For additionality analysis, as per the ACM0002, Tool 01: Tool for the demonstration and assessment of additionality, Version 7.0.0. is applied. The project uses Tool 01, "Tool for the demonstration and assessment of additionality," Version 07.0.0, because it is a large-scale grid-connected wind power facility. The applied technique states that proving that the project activity is aaditional constitutes the first stage in proving additionality. This selection has been found appropriate by the validation team with in line with IRR Calculations and related evidence document.
Findings	No finding in this section.
Conclusion	In summary, Re Carbon Ltd. confirms that the ISO 14064-2 GHG emissions additionality has been conducted appropriately with in line with project activity and applied methodology.

5.5.2 Level 2a – Statutory additionality

Means of Project Validation	Desk Review, interviews and physical site visit Being a renewable power plant, Albay Çiğiltepe WPP Capacity Addition Project also complies with the laws listed below: •Electricity Market Law (Enacted on 14/03/2013) •Law on Utilization of Renewable Energy Resources for the Purpose of Generation Electricity (Enacted on 10/05/2005) •Energy Efficiency Law (Enacted on 18/04/2007) •Environment Law (Enacted on 09/08/1983) •Forest Law (Enacted on 31/08/1956) These laws and rules provide the regulatory structure within which Albay Çiğiltepe WPP Capacity Addition Project must operate, ensuring adherence to Türkiye's legislative framework on energy and general electricity market requirements
Findings	No finding was raised in this section.
Conclusion	In summary, Re Carbon Ltd. confirms that the statutory additionality process has been conducted appropriately with in line with project activity and related tools of applied methodology.

5.5.3 Level 2b – Non-enforcement additionality

Means of Project Validation	Desk Review, interviews and physical site visit Project activity is not subject to statuary requirements in Türkiye. As per Tool 01 on this step has been excluded. This situation has been confirmed by the audit team and project owner during the physical site visit as well.

Findings	No finding was raised in this section.
Conclusion	In summary, Re Carbon Ltd. confirms that the non-enforcement additionality process has been conducted appropriately with in line with project activity and related tools of applied methodology.

5.5.4 Level 3 – Technology, institutional, common practice additionality

Means of Project Validation	Desk Review, interviews and physical site visit Common Practice Analysis The Methodological tool "Tool 24: Common Practice", version 03.1 has been applied. For the common practice analysis, the geographical boundary is selected as the Turkish Electricity Grid to be in line with the methodology. Following steps were followed in line with the tool: Step 1: Calculate applicable output range as +/-50% of the design output or capacity of the proposed project activity. Since the installed capacity is 57.60 MWe, therefore, the applicable output range is from 28.80 MWe – 86.40 MWe. Step 2: identify similar projects (both CDM and non-CDM) which fulfil all of the following conditions Applicable geographical area has been selected as the whole host country (Türkiye) as per paragraph 1 of Guidelines on Common Practice version 03.1. Projects which apply the same measure as the proposed project have been determined and wind energy projects are selected as the same energy source type of projects. All the selected plants deliver the same service which is the electricity generation. Regarding the conditions: • Applicable geographical area has been selected as Türkiye. • Wind energy projects have been selected regarding the same energy source type of projects. • The selected plants deliver the same service (electricity generation). Applicable output range has been determined from Electricity Production License Database by EMRA for 2020 which is the latest available year before the start date of the project activity. General Directorate of Energy Affairs and EMRA Electricity Production License Database have been used as a main resource. Therefore, all the compared power plants have been operational before the implementation of the project activity. The list of operational renewable energy projects started before 06/12/2016 (commercial operation date) is given by the General Directorate of Energy Affairs. There are total 91 projects with in the scope of determined qualifications as listed below:

Project	Installed Capacity (MWe)
Kürek Dağı RES	32,50
Manastır-Esenköy RES	30,45
Kırkağaç RES	45,00
Petkim RES	38,00

Tire RES	50,00
Mut RES	50,00
Poyraz RES	30,00
Şile RES	50,00
Harmanlık RES	50,00
Yeniköy RES	48,00
Mersinli RES	55,00
Kıyıköy RES	45,00
Airres-4 RES	55,00
Edincik RES	77,40
Kınık RES	50,00
Çerçikaya RES	57,00
Hasanoba RES	51,00
Fuatres RES	30,00
Sadıllı RES	33,00
Bergres RES	69,95
Geres RES	30,00
Kavaklı RES	50,00
Gökres-2 RES	35,00
Ulu RES	44,80
Koru RES	50,00
Yamaçtepe-2 RES	30,00
Sibelres RES	80,00
Yahyalı RES	52,50
Havza RES	48,00
Kartal RES	39,00
Yalova RES	50,00
Geyve RES	50,00
İçdaş Biga RES	60,00
Fatma RES	70,00

Kurtkayası RES	45,00
Yahyalı RES	82,50
Bağarası RES	46,00
Poyrazgölü RES	42,00
Çanta RES	50,00
Denizli RES	66,00
Karova RES	30,00
Bafa RES	35,00
Kirazlı RES	50,00
Tayakadın RES	50,00
Kartaldağı RES	63,00
Ödemiş RES	42,00
Umurlar RES	36,40
Balabanlı RES	61,40
Kandıra RES	49,00
Bereketli RES	30,00
Süloğlu RES	60,00
Mutlu RES 5 RES	44,00
Kanije RES	48,00
Amasya RES	42,00
Uluborlu RES	60,00
Meryem RES	30,00
Zonguldak RES	78,29
Şenbük RES	38,10
Dağpazarı RES	39,00
Killik RES	85,00
Ardıçlı RES	50,00
Sarpıncık RES	32,00
Mordoğan RES	30,75
Şenköy RES	29,79

Bandırma III RES	41,80
Çanakkale RES	29,90
Kozbeyli RES	34,55
Samurlu RES	43,90
Söke-Çatalbük RES	30,00
Aksu RES	80,00
Bandırma RES	50,00
Kuyucak RES	50,10
Mersin RES	56,85
Datça RES	41,60
Düzova RES	51,50
Sarıkaya RES	28,80
Keltepe RES	29,90
Çamseki RES	63,10
Seyitali RES	36,00
Poyraz RES	66,90
Akbük RES	31,50
Kapıdağ RES	34,85
Belen RES	48,00
Mazı 3 RES	30,00
Mazı I RES	56,20
Akhisar RES	55,00
Sebenoba RES	60,00
Yuntdağ RES	60,00
Sayalar RES	57,20
İntepe RES	55,70
Alibey RES	30,00

Therefore, all the compared power plants have been operational before the implementation of the project activity.

The list of operational renewable energy projects started before the project start date (06/12/2016) which the project participants commit to making expenditures for the construction has been determined. The common practice sheet has been re-worked by the project verification team; compared with other registered projects and found to be correct.

Step 3: within the projects identified in Step 2, identify those that are neither registered CDM project activities, project activities submitted for registration, nor project activities undergoing validation. Note their number Nall When projects registered as carbon reduction projects and projects under validation are excluded, the new list entails 1 projects which are using renewable energy as a source. Satisfying the steps 2 and 3, Nall is 1 therefore there exist 1 renewable energy power plants being operated in Türkiye, at the time of project start date.

Nall = 1

Datça RES	41,60

Step 4: within similar projects identified in Step 3, identify those that apply technologies that are different to the technology applied in the proposed project activity. Note their number Ndiff.

There is no different technology applied in the project activity.

Different technology projects are counted as 0, therefore Ndiff=0

Ndiff=0

Step 5: calculate factor F=1-Ndiff/Nall representing the share of similar projects (penetration rate of the measure/technology) using a measure/technology similar to the measure/technology used in the proposed project activity that deliver the same output or capacity as the proposed project activity.

F=1-Ndiff/Nall=1-(0/1) =1 (> 0.20)

Nall – Ndiff = 1-0= 1 (< 3)

For the proposed project, F is more than 0.2 and Nall-Ndiff less than 3. Therefore, the proposed project is not common practice within the region.

Re Carbon Gözetim Denetim ve Belgelendirme Ltd. Şti could validate the conclusion of the PP that Albay Çiğiltepe WPP Project is not a common practice in Turkey.

A Legal Requirement Test, an Investment Analysis and a Common Practice Analysis were conducted to demonstrate the additionality of the project activity. In summary, it is clearly demonstrated that the project is not a likely baseline scenario and the emission reductions are additional to what would have happened in absence of the project activity. . Hence, the proposed project is additional.

Re Carbon Ltd. can also confirm that in Turkish legislation there is no law or any other regulation that mandates such power plants to be built. The project will be used only for the purpose of energy generation and has an Energy Generation License for 49 years. Also, the EIA affirmation has been taken to the project activity. Therefore, this project is a regulatory surplus.

Findings	CAR-7 was raised during the validation process, which was successfully closed.

Conclusion	In summary, Re Carbon Ltd. confirms that the technology, institutional, common practice additionality process has been conducted appropriately with in line with project activity and related tools of applied methodology.

5.5.5 Level 4a – Financial additionality I

Means of Project Validation	Desk Review, interviews and physical site visit For additionality analysis, as per the ACM0002 Tool 27: T"Investment analysis, Version 14.0 is applied. ACM0002 version 22 has been applied and all related steps applied appropriately. VVB checked and confirmed that via IRR calculations and related evidence document. ICR ~~Standard~~ Requirement document Version 5.0, the applied methodology and the relevant tools were reviewed to evaluate the additionality of the project activity. The verification team confirmed that the all the assumptions and calculations in the investment analysis (as per Tool 27) are done correctly to demonstrate that the proposed project without carbon revenue is not financially attractive. Moreover, the common practice analysis (as per Tool 24) was done for the project activity. The output of the common practice analysis is that the project activity is not a common practice. The reference links and the calculations for this analysis are found appropriate by the verification team. The investment decision date is December 2015 as per the Turbine Agreement and thus benchmark has been determined as 11.5% in line with local commercial lending rate at the time of the investment decision (Lending And Deposit Interest Rates by Development Investment Bank of Türkiye (https://www.sbb.gov.tr/wp-content/uploads/2020/07/13-faiz_orani-1.xls) For the input parameters, the latest relevant documents are used with considering the investment decision date. The project verification team confirms that all assumptions and calculations for the investment analysis are done correctly. The references for the input parameters are checked and found appropriate for the IRR calculation. For system usage and operation fees are taken from https://www.epdk.gov.tr/Detay/DownloadDocument?id=zHp5VM7Z834= . With considering the estimated annual electricity generation, the calculated fees are found appropriate by the project validation team. The calculated project IRR (without considering carbon revenue) is below the selected benchmark. Therefore, as per Tool 01 and Tool 27, the project activity is not financially attractive (i.e. additional with respect to the investment analysis). The values of the input parameters and the relevant references are as follows[1]:

Parameter	Unit	Value	Source
Energy Generation per year	MWh/ year	201,600	Generation License Enerji Piyasası Veritabanı Yönetim Sistemi (epdk.gov.tr) Write "Albay" in the "Tesis Adı" part Also OLGU-ALBAY ÇİĞİLTEPE RES.pdf page 1 Please note that while 200.25 is the installed capacity, 201.6 is the projected capacity.
Investment Amount of Civil Works	USD	8,894,216	Feasibility Study(Realized Financial Values excel file "sheet name: Dinar 2. Aşama" in which the realized amounts are listed.

1 Please see all related sources and reference from Input Verification Table in Appendix section.

			Also in IRR file sheet "Realized CAPEX" realized figures are compared with the actual realizations.)
Investment Amount of Electromechanical Works	USD	85,090,787	Feasibility Study (Realized Financial Values excel file "sheet name: Dinar 2. Aşama" in which the realized amounts are listed. Also in IRR file sheet "Realized CAPEX" realized figures are compared with the actual realizations.)
Other Investment Expenses	USD	11,840,087	Feasibility Study (Realized Financial Values excel file "sheet name: Dinar 2. Aşama" in which the realized amounts are listed. Also in IRR file sheet "Realized CAPEX" realized figures are compared with the actual realizations.)
Total Investment Amount	USD	105,825,090	Feasibility Study (Realized Financial Values excel file "sheet name: Dinar 2. Aşama" in which the realized amounts are listed. Also in IRR file sheet "Realized CAPEX" realized figures are compared with the actual realizations.)
Operational Costs	USD/year	2,937,600	2015 Cost of Wind Energy Review – NREL: https://www.nrel.gov/docs/fy17osti/66861.pdf https://www.nrel.gov/docs/fy17osti/66861.pdf page 8, table ES1
Revenues	USD/year	15,684,480 : First 6 years 10,291,680 : After years	Generation License & Electricity Tariff https://www.myenerjisolar.com/turkiye-yillara-gore-enerji-piyasalari-arastirmasi/#:~:text=Yine%20de%20PTF%20%2B%20YEKDEM%20toplam%C4%B1n%C4%B1n,ger%C3%A7ekle%C5%9Fti.%202024%20y%C4%B1l%C4%B1%20Temmuz%20ay%C4%B1 2015 average price is used for the next 10 years as a reference https://www.epdk.gov.tr/Detay/DownloadDocument/0Bh0p4XwxRo=(for first 6 years sales price)
Electricity Tariff	USD/MWh	77.80 : First 6 years 51,05 : After 6 years	Finalized RES List 2015: https://www.epdk.gov.tr/Detay/DownloadDocument/0Bh0p4XwxRo= After 6 years: PTF of 2015 - https://seffaflik.epias.com.tr/electricity/electricity-markets/day-ahead-market-dam/market-clearing-price-mcp
Depreciation Period	Year	40 years : Civil Works 10 years: EM Works	Depreciated economic assets, Turkish Revenue Administration:

		30 years: Other Works	https://www.gib.gov.tr/sites/default/files/fileadmin/user_upload/Yararli_Bilgiler/amortisman_oranlari.pdf
Income Tax Rate	%	20	Tax Regulation for 2015: https://www.vergidegundem.com/pb_kurumlar_vergisi_oranlari
Technical Lifetime	Year	25	TOOL10, v1.0: https://cdm.unfccc.int/methodologies/PAmethodologies/tools/am-tool-10-v1.pdf

As a cross-checked method for the benchmark and for the costs of the project activity, the relevant default values in World Bank report "Implementation Completion and Results Report" (Report No: ICR00004069) was reviewed[2]. The local benchmark value is lower than the value indicated in the World Bank Report (therefore, it is a conservative approach.) Besides this, the calculated capital and operation and maintenance costs are found to be appropriate. The lending rates for medium term investments are provided by Turkish Development Bank (TKB) to State Planning Organization. The State Planning Organization publishes "Main Economic Indicators" on a monthly basis. The lending rates for January-December 2015 have been given in below table:

Turkish Development Bank (TKB) Interest rates for credits		
Date	Month	Medium Term Investment Rate (%)
2015	1	11.5
	2	11.5
	3	11.5
	4	11.5
	5	11.5
	6	11.5
	7	11.5
	8	11.5
	9	11.5
	10	11.5
	11	11.5
	12	11.5

The investment decision was taken in December 2015. Therefore, the benchmark for this project is applied as 11.5%, which is the local commercial lending rate at the time of the investment decision.

The after tax project IRR is found as 7.52% withouy ER revenue. Since the project IRR is below the selected benchmark (%), the project is financially unattractive as per the investment analysis.

For the sensitivity analysis, four main parameters are chosen. These ones are:

- Power price
- Investment cost
- Energy yield
- Operational cost

[2] Please see all related sources and reference from Input Verification Table in Appendix section.

Even with a 10% increase in power price or energy yield and a 10% decrease in investment or operation cost, the project IRR cannot exceed the selected benchmark (results in 19.0).

IRR w/o carbon	-10%	-5%	5%	10%
Investment Cost	9.08%	8.26%	6.84%	6.21%
Operational Cost	7.92%	7.72%	7.31%	7.11%
Electricity Price	6.82%	7.18%	7.84%	8.16%
Generation Value	5.65%	6.59%	8.42%	9.32%

The after tax project IRR becomes 9.32% with a 10% rise in sales of electricity, and 9.08% with a 10% decrease in investment costs and 7.92% with a 10% decrease in operational costs.

With majority of the CAPEX being electromechanical costs, such a reduction is deemed not plausible because of its effect on project's technical capacity, provisioned electricity generation and sales revenue. Operating costs can also affect the project IRR however, its impact is not significant and does not cause any significant change in project IRR and the fluctuation percentage to reach the benchmark is very high and not likely.

According to local regulations, electricity price is determined daily according to Energy Market Regulatory Authority (EMRA) as defined in the regulations and there exists three tariffs during day, peak and night hours. Thermal power plants and Hydroelectric power plants with storage facilities have flexibility to schedule their generation at peak hours when the tariff is high. However, wind power plants do not have storage facility therefore may not be able to benefit from high prices realized at when demand is high. Therefore, it is not probable to envision a continuous substantial increase for the electricity production that is served to the grid, in order to enhance the project IRR upwards.

Projections for power price were made by Energy Market Regulatory Authority (EMRA). According to these projections, there is no rapid power price increase.

Findings	CAR-8 and CAR-9 were raised during the validation process, which were successfully closed.
Conclusion	In summary, Re Carbon Ltd. confirms that the financial additionality I process has been conducted appropriately with in line with project activity and related tools of applied methodology.

5.5.6 Level 4b – Financial additionality II

Means of Project Validation	Desk Review, interviews and physical site visit For additionality analysis, as per the ACM0002 Tool 01: Tool for the demonstration and assessment of additionality, Version 7.0.0. is applied. The assessment of additionality for Level 4b was conducted in accordance with Section 7.1.4.5 of the ICR Validation and Verification Specifications Guidelines. The evaluation confirms that the proposed project activity is not the most economically or financially attractive alternative. Without the revenues from the sale of ICCs, the project would not be financially feasible.

	The financial analysis demonstrates that the project produces no significant financial or economic benefits other than those derived from GHG emission mitigations, with a negative Internal Rate of Return (IRR) in the absence of ICC revenue. Furthermore, the assessment of documented costs associated with the proposed project activity and its identified alternatives indicates that there are more cost-effective alternatives available. This finding supports the conclusion that the project meets the additionality criteria under Level 4b, as the project's financial viability depends on the income generated from the sale of ICCs.
Findings	No findings in this section.
Conclusion	In summary, Re Carbon Ltd. confirms that the financial additionality II process has been conducted appropriately with in line with project activity and related tools of applied methodology.

5.5.7 Level 5 – Policy additionality

Means of Project Validation	Desk Review, interviews and physical site visit For additionality analysis, as per the ACM0002 Tool 01: Tool for the demonstration and assessment of additionality, Version 7.0.0. and Tool 27: Investment Analysis version 14.0 are applied. There is no legal or regulatory requirement in Turkey for the Albay Çiğiltepe WPP Capacity Addition Project. The project was started in order to lessen the consequences of climate change and global warming by supplying the Turkish National Grid with clean and renewable energy. The project owner considers the project to be financially unattractive, as previously detailed. However, the project has a major environmental impact because it generates clean and renewable energy, which helps Turkey generate electricity. Upon reviewing the relevant sections of Turkey's Nationally Determined Contributions (NDCs), it is evident that Turkey has taken significant steps towards reducing energy consumption and promoting energy efficiency and renewable energy development. As noted in Turkey's energy policy, renewable energy, particularly through mechanisms like YEKDEM and YEKA, is prioritized to reduce import dependency and improve energy security while accelerating wind power investments. Given this context, while the project contributes to Turkey's NDC goals by supporting renewable energy development, it does not go beyond the contributions already outlined in the national policy. The project aligns with the renewable energy targets and frameworks but remains within the scope of what is expected under Turkey's mitigation efforts for 2030. This situation has been confirmed by the regional expert and financial expert of the validation team.The initiative meets the requirement of policy additionality due to its decrease of greenhouse gas emissions and other environmental benefits, even though it is not financially attractive and is not regulated by rules or regulations in Türkiye.
Findings	No finding were raised in this section.
Conclusion	In summary, Re Carbon Ltd. confirms that the policy additionality process has been conducted appropriately with in line with project activity and related tools of applied methodology.

5.6 Baseline scenario

Means of Project Validation	Desk Review, interviews and physical site visit

	In line with ACM0002, version 22.0, if the project activity is the installation of a greenfield power plant, the baseline scenario is electricity delivered to the grid by the project activity would have otherwise been generated by the operation of grid-connected power plants and by the addition of new generation sources, as reflected in the combined margin (CM) calculations described in the "Tool 07: Tool to calculate the emission factor for an electricity system". As the methodology directly states the baseline scenario, there is no need to carry out other analyses. The project supplies electricity generated from wind turbines to the national grid. Thus, the PDD correctly identifies baseline scenario comprised of electricity generation from grid-connected power plants in Türkiye. The Combined Margin is taken from the Ministry of Energy and Natural Resources on 18.03.2024 (https://enerji.gov.tr//Media/Dizin/EVCED/tr/%C3%87evreVe%C4%B0klim/%C4%B0klimDe%C4%9Fi%C5%9Fikli%C4%9Fi/TUESEmisyonFktr/Belgeler/TUESEF_Bilgi_Formu.pdf). Based on the validation team's local and sectoral knowledge, physical audit (on site visit observations) observations and by cross-checking the information with similar relevant projects, it is confirmed that the selected baseline scenario is the prevailing practice in the host country and in line with the host country regulations. All the assumptions and data used by the PPs are listed in the PDD, including references and sources, all the references and documents used are relevant for establishing the baseline scenario and correctly quoted in the PDD, all relevant national and sectoral policies/regulations considered are listed in the PDD and the identified baseline scenario reasonably represented what would occur in the absence of the proposed project activity.
Findings	No finding were raised in this section.
Conclusion	In summary, Re Carbon Ltd. confirms that the baseline scenario has been indicated appropriately with in line with project activity and applied methodology.

5.7 Project boundary

Means of Project Validation	Desk Review, interviews and physical site visit The project supplies electricity to the Türkiye grid, which has been validated based on physical audit observation and the provisional acceptance protocols. All the units of the project activity as well as the power plants connected to the grid are included in the project boundary in line with the requirements of the baseline methodology applied, ACM0002: -Grid-connected electricity generation from renewable sources- version 22.0. This includes the project site and all power plants connected physically to the Türkiye national grid. There are no off-grid power plants in Türkiye grid. Moreover, GHG sources (inclusions and exclusions) related to the project activity are stated correctly in the ICR-PDD. Furthermore, there are no emission sources that are not addressed by the applied methodology which are expected to contribute more than 1% of the annual emission reduction.
Findings	CAR-10 was raised during the validation process, which was successfully closed.
Conclusion	In summary, Re Carbon Ltd. confirms that the project boundary has been indicated appropriately with in line with project activity and applied methodology.

5.8 Quantification of GHG emission mitigations

Means of Project Validation	Desk Review and Interviews

	ACM0002, version 22.0 is followed to estimate the emission reductions of the project activity.
Findings	No findings in this section.
Conclusion	In summary, Re Carbon Ltd. confirms that the quantification of GHG emission mitigations have been indicated appropriately with in line with project activity and applied methodology.

5.8.1 Criteria and procedures for quantification

Means of Project Validation	Desk Review and Interviews ACM0002, version 22.0 is followed to estimate the emission reductions of the project activity.
Findings	No finding in this section.
Conclusion	In summary, Re Carbon Ltd. confirms that the criteria and procedures for quantification have been indicated appropriately with in line with project activity and applied methodology.

5.8.1.1 Baseline emissions

Means of Project Validation	Desk Review and Interviews The emission reduction calculation estimations have been done in the PDD as per the latest approved version of the methodology ACM0002 version 22.0. The baseline emissions are calculated based on the emission coefficient multiplied by the expected net electricity generation, which amounts to 201,600 MWh per annum. The Ministry of Energy and Natural Resources (on 18.03.2024) has been used for the combined margin emission factor . As per this document, the emission factor is taken as ”0. 6345 tCO2/MWh”. Therefore, BEy= EGPJ,y x EFgrid,CM,y BEy= (201,600 MWh/year) x (0.6345 tCO2/MWh)= 127,915 tCO2e/year The calculations in the ER Calculation Excel sheet have been reproduced by the VVB and the source data are presented by the project owner.
Findings	No finding in this section.
Conclusion	In summary, Re Carbon Ltd. confirms that the baseline calculation has been indicated appropriately with in line with project activity and applied methodology.

5.8.1.2 Project emissions

Means of Project Validation	Desk Review and Interviews There are no project or leakage emissions associated with wind power projects.
Findings	No finding in this section.
Conclusion	In summary, Re Carbon Ltd. confirms that the project emissions has been indicated appropriately with in line with project activity and applied methodology.

5.8.1.3 Leakage

Means of Project Validation	Desk Review and Interviews There are no project or leakage emissions associated with wind power projects
Findings	No finding in this section.
Conclusion	In summary, Re Carbon Ltd. confirms that the leakage has been indicated appropriately with in line with project activity and applied methodology.

5.8.2 Quantification of Net-GHG emissions and/or removals

Means of Project Validation	Desk Review and Interviews Quantification of net emission reductions of the project activity as per the ACM0002 is provided as follows (Equation 2): ERy = BEy - PEy - LEy ERy = 127,915 – 0 – 0 ERy = 127,915 tCO2 During a 10-year crediting period, the total estimated emission reduction is 1,279,149 tCO2e.
Findings	No finding in this section.
Conclusion	In summary, Re Carbon Ltd. confirms that the quantification of Net-GHG emissions and/or removals has been indicated appropriately with in line with project activity and applied methodology.

5.8.3 Risk assessment for permanence

Means of Project Validation	Desk Review, interviews and physical site visit The project's operation and GHG mitigation are not connected with any significant risks. Also, the other risks may include operational and technical risks. With routine maintenance activities (e.g. monitoring of operation of the project activity through OSOS system, visual inspections and so on), these risks can be minimized. The same informations has been confirmed by audit team with in line with physical site visit and evidence documents.
Findings	No finding were raised in this section.
Conclusion	In summary, Re Carbon Ltd. confirms that the risk assessment process has been conducted appropriately as described PDD in line with evidence documents

5.9 Management of data quality

Means of Project Validation	Desk Review, interviews and physical site visit There are one main and one back-up electricity meters at the substation which is the electricity is transmitted to substation Dinar TM via a 14.781 km, 154 kV transmission line. The substation where the project electricity is supplied to the national grid is operated by the TEİAŞ. These meters continuously measure the electricity supplied to the grid. Project owner has no control on these electricity meters; they are sealed and protected from possible interventions The spatial extent of the project boundary includes the project power plant/unit and all power plants/units connected physically to the Türkiye grid system that the project power plant is connected to as per the applied methodology ACM0002, version 22.0. As per this statement the project boundary includes: • The project activity (Albay Çiğiltepe WPP Capacity Addition Project) • Substation that connects the Albay Çiğiltepe WPP Capacity Addition Project to the Türkiye grid system • Türkiye grid system In the absence of the project activity, the same amount of electricity generated by the Albay Çiğiltepe WPP Capacity Addition Project would have otherwise been generated by the operation of Türkiye grid-connected power plants and by the addition of new generation sources into the grid (Türkiye grid system is dominated by nuclear and thermal power plants). There are 3 Transformer Center currently at project site as Transformer A, Transformer B and Transformer C and there are 6 meters connect to transformer centers as 3 main and 3 back-up meters. The first part of the project uses different meters (with serial number 53099629, 53099630, 65005954

and 65005955) than the capacity addition part(with serial number 73055365 and 73055366) . These meters (with serial number 53099629, 53099630, 65005954 and 65005955) are also placed at the Powerhouse, connected to the Transformer-A and Transformer-B. Related properties of all meters are listed below:

Meter	Type	Transformer Center	Accuracy	Serial Number before Replacement (old version)	Serial Number after Replacement (current version)	Replacement Date
Main Meter-1 (Replaced)	ACTARIS SL761A071	A	0.2S	10773484	53099629	09/03/2022
Backup Meter-1 (Replaced)	ACTARIS SL761A071	A	0.2S	10773485	53099630	09/03/2022
Main Meter-2 (Replaced)	ACTARIS SL761A071	B	0.2S	10773486	65005954	09/03/2022
Backup Meter-2 (Replaced)	ACTARIS SL761A071	B	0.2S	10773487	65005955	09/03/2022
						First Index Date
Main Meter-3 (For 31 wind turbines)	ITRON	C	0.2S	-	73055365	09/03/2022
Backup Meter-3 (For 31 wind turbines)	ITRON	C	0.2S	-	73055366	09/03/2022

Only the Transformer C and related connected meters (with serial number for main meter: 73055365 and with serial number for back-up meter: 73055366) are under consideration for 31 additional wind turbines with in the scope of Albay Çiğiltepe WPP Capacity Addition Project. Other components are mentioned to explain the integrity of the project activity.

Meter	Type	Accuracy	Serial Number	Calibration Date
Main Meter	ITRON	0.2S	73055365	09/03/2022
Backup Meter	ITRON	0.2S	73055366	09/03/2022

First index date of electricity meters (with serial number for main meter: 73055365 and with serial number for back-up meter: 73055366) was on 09/03/2022. At the time of first index of related meters which is under consideration of 31 wind turbines with serial number 73055365 and 73055366, other meters (with serial number 53099629, 53099630, 65005954 and 65005955) replacement has been done on same day in line with first index protocol,calibration document and meter test records.

	Calibration procedures is conducted every ten year and meter test frequency is every two year as in line with legal authorization (EMRA). The net electricity is measured continuously by one main (with serial number 73055365) electricity meters at the grid interface and recorded monthly. There is also one back-up (with serial number 73055366) electricity meter. The net electricity is measured continuously by two meters (one main and on back up) at the grid interface and recorded monthly. The meters used are in line with the regulatory requirements for electricity meters that comply with EMRA (Energy Market Regulatory Authority) regulations. The electricity meters will have been controlled and maintained by the grid owner. Net electricity generation is measured and recorded via meters sealed by TEIAS for billing purposes. 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 will controlling via EPIAS system which is the legal database of the Ministry. The first index documents of the meters dated 09/03/2022 has been provided to the VVB. These meters are the main source for the electricity generation of the project activity. Additionally, the data from the meters is constantly reviewed internally and verified by other parties. First, technicians compile daily written data from the meters. The daily data collection is backed up and stored in the plant manager computer. In addition to the information obtained from meters, the OSOS system allows for the verification of production amount. Because of inherent losses, OSOS statistics and meter data differ slightly. . This situation has been confirmed by audit team and project owner during the physical site visit as well.
Findings	No finding in this section
Conclusion	In summary, Re Carbon Ltd. confirms that the management of data quality has been conducted appropriately as described PDD in line with evidence documents and physical site visit interviews.

5.10 Monitoring

5.10.1 Monitoring plan

Means of Project Validation	Desk Review, interviews and physical site visit Monitoring plan will be implemented as per the ACM0002 Methodology. There are 3 Transformer Center currently at project site as Transformer A, Transformer B and Transformer C and there are 6 meters connect to transformer centers as 3 main and 3 back-up meters . The first part of the project uses different meters than the capacity addition part. These meters are also placed at the Powerhouse, connected to the Transformer-A and Transformer-B. All meters are replaced on 09/03/2022 and related properties of them are listed below:

Meter	Type	Transformer Center	Accuracy	Serial Number	Calibration / Replacement Date
Main Meter-1 (Replaced)	ACTARIS SL761A071	A	0.2S	53099629	09/03/2022
Backup Meter-1 (Replaced)	ACTARIS SL761A071	A	0.2S	53099630	09/03/2022
Main Meter-2 (Replaced)	ACTARIS SL761A071	B	0.2S	65005954	09/03/2022
Backup Meter-2 (Replaced)	ACTARIS SL761A071	B	0.2S	65005955	09/03/2022

Main Meter-3 (For 31 wind turbines)	ITRON	C	0.2S	73055365	09/03/2022
Backup Meter-3 (For 31 wind turbines)	ITRON	C	0.2S	73055366	09/03/2022

Only the Transformer C and related connected meters (with serial number for main meter: 73055365 and with serial number for back-up meter: 73055366) are under consideration for 31 additional wind turbines. Other components are mentioned to explain the integrity of the project activity.

Meter	Type	Accuracy	Serial Number	Calibration Date
Main Meter	ITRON	0.2S	73055365	09/03/2022
Backup Meter	ITRON	0.2S	73055366	09/03/2022

First index, calibration and last test date of of meters are on 09/03/2022 in line with first index protocol,calibration document and meter test records. Calibration procedures is conducted every ten year and meter test frequency is every two year as in line with legal authorization (EMRA). The net electricity is measured continuously by one main (with serial number 73055365) electricity meters at the grid interface and recorded monthly. There is also one back-up (with serial number 73055366) electricity meter.

The net electricity is measured continuously by two meters (one main and on back up) at the grid interface and recorded monthly. The meters used are in line with the regulatory requirements for electricity meters that comply with EMRA (Energy Market Regulatory Authority) regulations.
The first index documents of the meters dated 09/03/2022 has been provided to the VVB. These meters are the main source for the electricity generation of the project activity. EPİAŞ is able to read meters remotely through technology that is used in data management.As a result, under this procedure, the meter is remotely read at the end of each month and published via the EPİAŞ website, which the project owner can access to check the accuracy of the data. In addition to the data that EPİAŞ reads, the project owner oversees a cross-check of the data once a month. When the meter data is accurate, the amount is also posted on the EPİAŞ website, which the project owner can also access. All data for each monitoring parameters will be archived during the project and will be kept for 2 more years following the end of the crediting period.

For cross checking of the electricity generation, the invoices of the electrcicty generation of project activity are used via OSOS forms. EPİAŞ is the main data source. This indicates that the EPİAŞ data remains the primary source. The EPİAŞ records are cross-checked using OSOS records. Electricity meters are calibrated every 10 years . Since TEİAŞ has sealed the measuring devices, project proponent is unable to interfere with them. TEİAŞ is to be contacted for any unforeseen problems or meter failures, in addition to any discrepancies between main and back-up meters, in order to arrange for the required maintenance and calibration. Regular meter testing and calibration are under the authority of TEİAŞ. Meter

	tests are conducted by TEİAŞ and momentaryIn Albay Çiğiltepe WPP Capacity Addition Project, after 10 years, testing and calibrating will be applied to the electricity meters. There is testing process applied during the first index of meters which was on 09/03/2022. Meter test frequency is every 2 years according to legal rules and requirements. There are 18 employees currently at the project site however it can be change throughout the crediting period. The social security records of the employees have been provided to the VVB.
Findings	CAR-11 was raised during the validation process, which was successfully closed.
Conclusion	In summary, Re Carbon Ltd. confirms that monitoring plan has been conducted appropriately as described PDD in line with evidence documents and physical site visit interviews.

5.10.2 Data and parameters remaining constant

Means of Project Validation	Desk Review, interviews and physical site visit There are ex-ante parameters as listed below which will be remained constant during the crediting period: • EFgrid,CM,y (Combined margin CO2 emission factor for grid connected power generation in year y): The value is taken as 0.6345 tCO2/MWh as per Turkish Ministry of Energy and Natural Sources for 2021 on 18/03/2024 • EFgrid,BM,y (Build margin CO2 emission factor for grid connected power generation in year y): The value is taken as 0.3541 tCO2/MWh as per Turkish Ministry of Energy and Natural Sources for 2021 on 18/03/2024 • EFgrid,OM,y (Operating margin CO2 emission factor for grid connected power generation in year y): The value is taken as 0.7279 tCO2/MWh as per Turkish Ministry of Energy and Natural Sources for 2021 on 18/03/2024
Findings	No finding in this section.
Conclusion	In summary, Re Carbon Ltd. confirms that data and parameters remaining constant has been conducted appropriately as described PDD in line with the choosing ex-ante parameter of the project activity correctly.

5.10.3 Data and parameters monitored

Means of Project Validation	Desk Review and Interviews The monitoring parameter is in line with the applied methodology and include the following: • EGPJ,y (SDG 7): Quantity of net electricity generation that is produced and fed into the grid as a result of the implementation of the project activity in year y (MWh/year) • CO2 Emissions (SDG 13): Reduction of CO2 emissions due to implementation of the project activity • Quantitative of Employment (SDG 8): Number of employment At the Dinar substation, there are two electricity meters, one is main and the other one is back-up. These meters continuously measure the electricity supplied to the grid. Project owner has no control on these electricity meters; they are sealed and protected from possible interventions. EPİAŞ applies remote reading to these power meters. The first index documents of the meters dated 09/03/2022 has been provided to the VVB. These meters are the main source for the electricity generation of the project activity.

	The main source of the electricity generation by the project activity is the invoices both in hardcopy and softcopy format which are sent by the electricity purchasing company (EPİAŞ). During the physical site visit, it was learned that every month, Albay Çiğiltepe WPP Capacity Addition Project is able to learn from EPİAŞ website for official data of the net amount of electricity generated of the project activity. All data for each monitoring parameters will be archived during the project and will be kept for 2 more years following the end of the crediting period. For cross checking of the electricity generation, the internal meters of the project activity are used in line with OSOS forms. Electricity meters are tested every 2 years and calibrated every 10 years. In Albay Çiğiltepe WPP Capacity Addition Project there is no testing and calibration process applied so far because electricity meters (with serial number . There are 18 employees currently at the project site however it can be change throughout the crediting period. The social security records of the employees have been provided to the VVB.
Findings	No finding in this section.
Conclusion	In summary, Re Carbon Ltd. confirms that data and parameters monitored has been conducted appropriately as described PDD in line with the applied methodology.

6. Independent review

An independent technical review is carried out after the completion of validation andcertification activities and preparation of the draft reports, to determine the nonconformities in the reports, if any. The ITR, which in fact is used for the quality control of all validation activities starting from the beginning to the end, is also a review tool for the correct implementation of the validation activities.

The related "Technical Review and Team Performance Evaluation Form" is used during the independent technical review process depending on the service (validation) type.

The ITR assesses all stages of the validation activities in line with the related "Technical Review and Team Performance Evaluation Form". This form has been prepared in line with ISO 14064-3:2019 Standard, section 8.

The review shall confirm:

- that all validation activities have been completed in accordance with the agreement and the GHGRS; (Greenhouse Gas Reduction Schemes (GHGRS indicates that "Validation" is systematic, independent and documented process for the evaluation of greenhouse gas (GHG) assertions, related to GHG project plans against agreed validation criteria));
- sufficiency and appropriateness of evidence to support the decision;
- whether significant findings have been identified, resolved, and documented.
- the competencies of validation team members for the activities that they conducted;
- whether the validation planning has been designed appropriately, including whether the objective, scope and materiality are addressed by:
  - the strategic analysis and risk assessment;
  - the validation plan;
  - the evidence-gathering plan;
- significant decisions made by the validation team during the validation;
- whether the opinion is appropriately drafted;
- whether the environmental information statement is fairly stated and conforms to criteria.

The review also confirms the Independent Review requirements outlined in ISO 14064-3:2019 Standard. Upon completion of the ITR Process, the ITR makes the decision on whether or not to confirm the claim that the project activity results in emission mitigation. Based on this decision, a validation statement (validation opinion) is issued or not issued according to the related GHGRS.

7. Validation opinion

Re Carbon Ltd. performed the validation of the "Albay Çiğiltepe WPP Capacity Addition Project (Albay Çİğiltepe WPP)" in "Türkiye" between 16/04/2024 and 294/01~~10~~/20254. The GHG Statement is the responsibility of the "Olgu Enerji Yatırım Üretim ve Ticaret A.Ş.". The validation was performed based on Validation criteria for projects set out in ICR Requirement Document Version 5.0, UNFCCC criteria for the CDM and Host Party criteria, as well as per criteria given to provide for consistent project operations, monitoring and reporting.

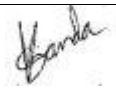
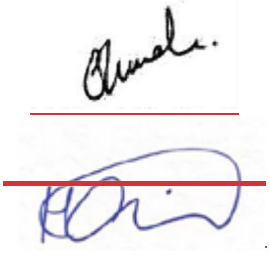
The validation was performed by a validation team consisting of "Beyda ALTUNTAŞ as a Team Leader, Helin TÜZER as a Trainee Validator, Murat GENÇER as Financial Expert and Sandeep KANDA as the ITR" and the project activity was checked against the applicable rules and regulations of CDM including CDM Validation and Verification Standard for project activities version 3.0, ICR validation and verification specifications Version 1.0~~CDM Project Standard for project activities version 3.0~~ and ICR Requirement document Version 54~~ICR Version 5~~.

Re Carbon Ltd. hereby confirms that the proposed project activity "Albay Çiğiltepe WPP Capacity Addition Project (Albay Çİğiltepe WPP)" in Türkiye, applied all relevant CDM EB-guidance (CDM Executive Board guidance) as the selected baseline and monitoring methodologies and the associated methodological tools have been applied correctly. Validation of the GHG statement was conducted in accordance with ISO 14064-3 ; 2019 and ICR validation and verification specifications Version 1.0 ~~2~~. The total emission reductions from the project are estimated to be on the average 127,915 tCO_2e per year over the selected 10 year crediting period(i.e. 1,279,149 tCO2e in total). The emission reduction forecast was checked and it is deemed likely that the stated amount will be achieved, given that the underlying assumptions do not change.

As a result, the validation team assigned by the Re Carbon Ltd. concludes that the proposed Project Activity "Albay Çiğiltepe WPP Capacity Addition Project " in Türkiye, as described in the PDD (version number 054 and 2209/018/20254)

- meets all relevant Host Country criteria;
- meets all relevant requirements of the ICR project activities [including ICR Requirement document Version~~ICR version 05~~5.0, ~~Article 12 of the Kyoto Protocol, the Modalities and Procedures for CDM (Marrakesh Accords) and the subsequent decisions and guidance by the COP/MOP and the CDM Executive Board~~];
- applies correctly the baseline and monitoring methodology "ACM0002: Grid connected renewable electricity generation from renewable sources (Version 22.0)";
- its additionality is sufficiently justified in the PDD;
- is likely to achieve estimated emission reductions;

Therefore, Re Carbon Ltd. requests the registration of the proposed project activity as a ICR project activity.

BEYDA ALTUNTAŞ	SANDEEP KANDA	~~HAVVA ÖZTÜRK~~ESİN TUNALI
Team Leader	ITR	CMD DEPARTMENT
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Appendix

I. Documents reviewed or referenced in the report

No.	Title	Version	Provider
1	Project Design Description (PDD)	01	Project Owner
2	Project Design Description (PDD)	02	Project Owner
3	Project Design Description (PDD)	03	Project Owner
4	ER Calculation Excel Sheet	V1	Project Owner
5	IRR Calculation Excel Sheet	V1	Project Owner
6	IRR Calculation Excel Sheet	V2	Project Owner
7	Common Practice Analysis	V1	Project Owner
8	EIA Report	June 2016	Project Owner
9	EIA Approval Permit	23/08/2016	Project Owner
10	Ornithological Monitoring Report and Carcassess Records	Year 2023	Project Owner
11	Generation License	16/03/2011 (with revision on 16/06/2016)	Project Owner
12	Electricity Calibration Records	09/03/2022	Project Owner
13	Electricity Test Reports	09/03/2022	Project Owner
14	Local Stakeholder Consultation Invititaion (Include in EIA Report)	02/06/2015	Project Owner
15	Sign and Sealed Decleration about Requests&Complaints by Keklicek Village Mukhtar	23/07/2024	Project Owner
16	Turbine Supply Agreement	12/06/2013	Project Owner
17	Connection Agreement with TEİAŞ to Türkiye Transmission Network	12/04/2016	Project Owner
18	Construction Agreement	04/05/2012	Project Owner

19	Loan Agreement with Bank	31/07/2014, 04/04/2017	Project Owner
20	Comissioning Dates for all wind turbines	06/12/2016, 30/12/2016, 27/01/2017, 16/02/2017	Project Owner
21	Turbine Technical Properties Document (GE)	-	Project Owner
22	Land Ownership Approval	13/04/2016	Project Owner
23	Revised Approval of Land Usage	21/02/2018	Project Owner
24	Waste Disposal Decleration (Official)	Year 2023	Project Owner
25	KMZ File of Project Activity	-	Project Owner
26	Noise Level Assessment Report	June 2016	Project Owner
27	Hazardous Waste Disposal Records	2021, 2022, 2023	Project Owner
28	H&S Training Records	2020, 2021, 2022, 2023	Project Owner
29	Social Security Records	Year 2023	Project Owner
30	Signed Decleration for No Double Counting	24/07/2024	Project Owner
31	Additional Training Records (Environmental Trainings, Fire Prevention Training, First Aid and CPR Training, General Technical Safety Awareness eLearning, WINDA, GWO)	For year 2020, 2021, 2022, 2023	Project Owner
32	Single Line Diagram	18/10/2016	Project Owner
33	Budgetand Cost Records for IRR Calculation	-	Project Owner
34	ACM0002	22.0	CDM
35	Tool 01	07.0.0	CDM
36	Tool 07	07.0	CDM
37	Tool 24	3.1	CDM
38	Tool 27	14.0	CDM
39	ICR Requirement Document	v5.0	ICR
40	Project Design Description (PDD)	04	Project Owner
41	ER Calculation Excel Sheet	V2	Project Owner
42	IRR Calculation Excel Sheet	V3	Project Owner
43	Common Practice Analysis	V2	Project Owner
44	Additional Financial Values Excel Sheet	V1	Project Owner

45	SCADA Data Set	V1	Project Owner
46	Project Design Description (PDD)	05	Project Owner

II. Site visits

No.	Site ID	Location	Type	Audit team member(s)
1	ICR ID223- Albay Çiğiltepe WPP Capacity Addition Project	Dinar town, Afyonkarahisar province	Physical Site Visit	Mrs. Beyda ALTUNTAŞ (Team Leader) Ms. Helin TÜZER (Trainee Validator)

III. Non-conformities

Non-conformity ID:	CL-1	**Reference to criteria:**	Ref. to ICR requirement/ ISO 14064-2	**Date:**	26/07/2024
Requirement:	Introductory Text				
Observation:	CL				
Non-conformity:	There is no logo of the project proponent introduction section of PDD. Also, there is contradiction about estimated annual electricity city generation, according to provided generation license estimated annual electricity generation has been indicated as "604.100.000 kWh", if there is any other generation license please provide it.				
Response from project proponent:	Logo of the project proponent has been added to introduction section. According to the amendment made to the generation license dated on 16/06/2016, the estimated generation increased from 402,500 MWh to 604,100 MWh with the addition of the T51-81 turbines. The difference of 201,600 MWh was taken as the estimated generation of the capacity addition. This explanation also added to Section 1.1 as a footnote. **Review 1** Logo has been added. The date on the first page of the generation license is the date the license was first issued. In subsequent amendments, the date the license was first issued does not change, and the amendments are added to the end of the license. The amendment of the capacity addition appears in the 12th amendment on pages 9-10-11 of the license. Initial status of the project, amendment and final status has been added to the introductory text and Section 1.1.				

	On the second page of the generation license, the final status of the project can be seen. As explained above, information about the capacity addition can be seen on the 12th amendment.
Referenced documentation:	Generation License ICR PDD v2.0 - Albay Çiğiltepe WPP Capacity Addition Project Capacity Addition Project
Validators assessment of corrective actions:	There is still no logo in the introduction section. There is no such evidence document dated as 16/06/2016, there is only one Generation License dated with 16/03/2011. Also introduction text has to be revised in line with before and after situation of project. Explaining the only additional capacity is not enough. Also provided Generation License has different installed capacity from PDD. Correct the contradictions according to related evidence document. Also there is no such evidence document different from the generation license as an amendment. Response of Review 1: OK, closed (Related revision has been done)
Type:	
Status:	Closed

Non-conformity ID:	CL-2	**Reference to criteria:**	Ref. to ICR requirement/ ISO 14064-2	**Date:**	26/07/2024
Requirement:	Introductory Text				
Observation:	CL				
Non-conformity:	There is wrong file name according to ICR template.				
Response from project proponent:	File name is corrected. **Review 1** File name has been revised according to ICR PDD v4.0 template's instructions.				
Referenced documentation:	ICR PDD v2.0 - Albay Çiğiltepe WPP Capacity Addition Project Capacity Addition Project				
Validators assessment of corrective actions:	File name is still wrong according to ICR PDD v.4.0 template please check the website. Response of Review 1: OK, closed (Related revision has been done)				
Type:					
Status:	Closed				

Non-conformity ID:	CL-3	**Reference to criteria:**	Ref. to ICR requirement/ ISO 14064-2	**Date:**	26/07/2024
Requirement:	Double counting issues and claiming				

Observation:	CL
Non-conformity:	There is no evidence document for double counting issues such as signed and sealed declaration from project owner.
Response from project proponent:	Signed declaration of no-double counting is shared. **Review 1** Signed declaration of no-double counting is shared.
Referenced documentation:	**Review 1** Declaration of non-issuance – Albay Çiğiltepe WPP Capacity Addition Project
Validators assessment of corrective actions:	There is no evidence document such as signed declaration of no-double counting. Response of Review 1: OK, closed (Related revision has been done and related evidence document has been provided)
Type:	
Status:	Closed

Non-conformity ID:	CL-4	**Reference to criteria:**	Ref. to ICR requirement/ ISO 14064-2	**Date:**	26/07/2024
Requirement:	Data and parameters remaining constant				
Observation:	CL				
Non-conformity:	There is contradiction about monitored parameters units. Monitoring frequency row has been indicated as “each monitoring period” however in “unit” row it has been indicated as “…/year”.				
Response from project proponent:	Monitoring frequency has been changed to “yearly” on CO2 emissions (SDG13) parameter. **Review 1:** Monitoring parameter of CO2 emissions and EGpj,y is now indicated as “Monthly.”				
Referenced documentation:	ICR PDD v2.0 - Albay Çiğiltepe WPP Capacity Addition Project Capacity Addition Project **Review 1** ICR PDD ID223 - Albay Çiğiltepe WPP Capacity Addition Project Capacity Addition Project - v3.0				
Validators assessment of corrective actions:	There is no such revision as explained above. Also, monitoring parameter unit can not be reflect yearly value because of the apportioning months of crediting period. Response of Review 1: OK, closed (Related revision has been done)				
Type:					
Status:	Closed				

Non-conformity ID:	CAR-1	Reference to criteria:	Ref. to ICR requirement/ ISO 14064-2	Date:	26/07/2024
Requirement:	Project Design Description				
Observation:	CAR				
Non-conformity:	a) There is no project ID number in Basic Information Table of PDD. b) There is empty row of Pre-registration date of Basic Information table of PDD. c) There is empty box in row of multiple project activities in basic information table of PDD. d) There is wrong indication date of version of PDD according to ICR requirements. e) There is contradiction about consultancy name throughout the PDD				
Response from project proponent:	1) Project ID is added. 2) Pre-registration date is added. 3) "No" box is checked. 4) Version is updated. 5) Consultancy name is corrected. **Review 1** a) Project ID has been added.				
Referenced documentation:	ICR PDD v2.0 - Albay Çiğiltepe WPP Capacity Addition Project Capacity Addition Project **Review 1** ICR PDD ID223 - Albay Çiğiltepe WPP Capacity Addition Project Capacity Addition Project - v3.0				
Validators assessment of corrective actions:	a) There is no project ID Basic Information Table of PDD. b) OK, closed. (Pre-registration date has been indicated as 28/12/2023 as submitted initial documents) c) OK, closed (Selection has been made as "No") d) OK, closed. (latest version of submission PDD has been indicated) e) OK, closed (Consultancy name has been now corrected as "Sekans Danışmanlık Ltd. Şti.," throughout the PDD) Response of Review 1: a) OK, closed (Project ID has been indicated as 223 in line with pre submission)				
Type:					
Status:	Closed				

Non-conformity ID:	CAR-2	Reference to criteria:	Ref. to ICR requirement/ ISO 14064-2	Date:	26/07/2024
Requirement:	Purpose, Objectives, and General Description of the Project				
Observation:	CAR				

Non-conformity:	a) There is contradiction about installed capacity and estimated annual electricity generation for capacity addition part, if there is separate generation license for capacity addition please provide it. b) There is contradiction about "…The annual emission reduction estimated by the project is 130,677 tonnes of CO2. During the crediting period 1,306,769 tonnes of CO2 are expected to be reduced…" statement. There is no information about which crediting period is mentioned and also there no information about indicated value according to ER excel sheet. c) There is missing information about all part of project (this project is capacity addition so it has to be mentioned all part of total project activity).
Response from project proponent:	a) According to the amendment made to the generation license dated on 16/06/2016, the estimated generation increased from 402,500 MWh to 604,100 MWh with the addition of the T51-81 turbines. The difference of 201,600 MWh was taken as the estimated generation of the capacity addition. This explanation is also added to Section 1.1 as a footnote. According to the amendment made to the generation license dated on 16/06/2016, the installed capacity increased from 115 MWm / 115 MWe to 200.25 MWm / 172.6 MWe with the addition of the T51-81 turbines. The difference of 85.25 MWm / 57.60 MWe was taken as the installed power of the capacity addition. This explanation is also added to Section 1.1 as a footnote. b) ER values has been corrected in Section 1.1. As the project has a fixed crediting period of 10 years without renewal, this statement mentions the entire crediting period. c) Information about total capacity of the project and the capacity addition is added to Section 1.1. **Review 1** a) The date on the first page of the generation license is the date the license was first issued. In subsequent amendments, the date the license was first issued does not change, and the amendments are added to the end of the license. The amendment of the capacity addition appears in the 12th amendment on pages 9-10-11 of the license. Initial status of the project, amendment and final status has been added to the introductory text and Section 1.1. On the second page of the generation license, the final status of the project can be seen. As explained above, information about the capacity addition can be seen on the 12th amendment. Installed powers, commissioning dates, turbine types and estimated generations about the first part and capacity addition part of the project has been added to Section 1.1 along with the related turbine numbers. b) There is only one generation license for the project, and it has been shared. Information about the first part and capacity addition part can be seen in generation license as explained above. c) There is only one generation license for the project, and it has been shared. Information about the first part and capacity addition part can be seen in generation license as explained above.

Referenced documentation:	Generation License ICR PDD v2.0 - Albay Çiğiltepe WPP Capacity Addition Project Capacity Addition Project **Review 1** ICR PDD ID223 - Albay Çiğiltepe WPP Capacity Addition Project Capacity Addition Project - v3.0
Validators assessment of corrective actions:	a) There is no such evidence document dated as 16/06/2016, there is only one Generation License dated with 16/03/2011. Also project description text has to be revised in line with before and after situation of project. Explaining the only additional capacity is not enough. Also provided Generation License has different installed capacity from PDD. Correct the contradictions according to related evidence document. Also there is no such evidence document different from the generation license as an amendment. Also there are missing detailed information about existing and additional turbines with related dates and specifications. b) For all related values related evidence document has to be submit such as Generation License. c) For all related values related evidence document has to be submit such as Generation License and related amendment. Response of Review 1: a) OK, closed (Related revision has been done in line with Generation License) b) OK, closed (Related revision has been done in line with Generation License) c) OK, closed (Related revision has been done in line with Generation License)
Type:	
Status:	Closed

Non-conformity ID:	CAR-3	**Reference to criteria:**	Ref. to ICR requirement/ ISO 14064-2	**Date:**	26/07/2024
Requirement:	Location				
Observation:	CAR				
Non-conformity:	a) There is missing indication of all turbine's coordinates and related turbine numbers. b) The related link does not work.				
Response from project proponent:	a) Turbine coordinates are added to Section 1.4. b) The link worked well when opened in browser. It is updated regardless.				
Referenced documentation:	ICR PDD v2.0 - Albay Çiğiltepe WPP Capacity Addition Project Capacity Addition Project				
Validators assessment of corrective actions:	a) OK, closed (Related coordinate has been indicated in line with KMZ file and Generation License) b) OK, closed (Weblink has been revised and it works with project location)				
Type:					
Status:	Closed				

Non-conformity ID:	CAR-4	Reference to criteria:	Ref. to ICR requirement/ ISO 14064-2	Date:	26/07/2024
Requirement:	Technology Applied				
Observation:	CAR				
Non-conformity:	a) There is missing information about lifetime of equipment. b) There is no information about monitoring equipment. c) There is no information about total part of project activity including monitoring equipment and related equipment such as turbines, powerhouse.				
Response from project proponent:	a) Lifetime of the wind turbines are included. b) Information about the monitoring equipment is added. c) Information about the equipment of the first part of the project has been given. **Review 1** a) All technical information shown in table 3,4 and 5 is present in provisional acceptance documents. Information about the existing and capacity addition part of the project activity has been given on Section 1.5. Turbines numbers of both initial part and capacity addition has been indicated on Section 1.1. Information about transformers are corrected. c) Meters connection to the transformers have been indicated in their related parts.				
Referenced documentation:	ICR PDD v2.0 - Albay Çiğiltepe WPP Capacity Addition Project Capacity Addition Project **Review 1** ICR PDD ID223 - Albay Çiğiltepe WPP Capacity Addition Project Capacity Addition Project - v3.0				
Validators assessment of corrective actions:	a) There is missing evidence document for turbine specifications, all related information has nor been included in provisional acceptances. Also it has to be indicated both existing and additional part of project activity in “Section 1.5 Conditions prior to implementation” of PDD. Further, it has to be indicated that which turbines are additional with Tcode (T51-T52… etc.) for following from provisional acceptances. Also there are wrong information about equipment specifications according to provisional acceptance. b) OK, closed (Related explanation has been added about monitoring equipment in line with evidence documents) c) It has to be indicated that which meters and which parts of the project connected with transformer stations. According to physical interview there are 3 substation as A,B and C and related explanations are missing with related monitoring equipment and connection relations. Response of Review 1: a)OK, closed (Related revision has been done in line with Provisional Acceptances) c)OK, closed(All generator information has been revised according to related connected meters)				
Type:					

Status:	Closed

Non-conformity ID:	CAR-5	**Reference to criteria:**	Ref. to ICR requirement/ ISO 14064-2	**Date:**	26/07/2024
Requirement:	Crediting period				
Observation:	CAR				
Non-conformity:	There is contradiction about crediting period start date.				
Response from project proponent:	Start and end date of the project is corrected. **Review 1:** Start and end date of the project's crediting period has been corrected throughout the PDD.				
Referenced documentation:	ICR PDD v2.0 - Albay Çiğiltepe WPP Capacity Addition Project Capacity Addition Project **Review 1** ICR PDD ID223 - Albay Çiğiltepe WPP Capacity Addition Project Capacity Addition Project - v3.0				
Validators assessment of corrective actions:	There is no revision. Response of Review 1: OK, closed (Crediting period has been indicated as duration)				
Type:					
Status:	Closed				

Non-conformity ID:	CAR-6	**Reference to criteria:**	Ref. to ICR requirement/ ISO 14064-2	**Date:**	26/07/2024
Requirement:	Consultation with Interested Parties and Communications				
Observation:	CAR				
Non-conformity:	a) There is no evidence document for invitation of stakeholder consultation. b) There is no explanation about stakeholder consultation conclusion and outcomes. c) There is no evidence document for grievance book from mukhtar or any signed and sealed declaration about grievance mechanism.				
Response from project proponent:	This section has been designed to include the information provided about the meeting held in the EIA report. a) Newspaper announcements are present on page 262-263 of the EIA Report. b) Explanation about the conclusion, comments and outcomes have been given in Section 3.3 and 3.3.1. c) As explained in Section 3.3, there is no grievance document since the local people conveyed their complaints about the power plant verbally through the mukhtar. **Review 1:** c) The project owner did not leave a logbook because the local people reported their complaints to them through the headmen. This logbook will be left to the headman office in				

	the new period. Since there is no logbook at the moment, signed declarations have been received from the headmen of the surrounding villages stating that the local people have no complaints about the project..
Referenced documentation:	EIA Report ICR PDD v2.0 - Albay Çiğiltepe WPP Capacity Addition Project Capacity Addition Project **Review 1:** c) Signed declarations from the headmen
Validators assessment of corrective actions:	a) OK, closed. (Related explanations has been indicated in line with EIA Report) b) OK, closed. (Related explanations has been indicated in line with EIA Report) c) There is no evidence document about current grievance mechanism documentary evidence of the logbook containing a photo of the inner pages where requests and complaints are written or there is still no declaration from Mukhtar that there is no grievance as well. Even though local stakeholders contact with project proponent directly there is no evidence document for proof it. Response of Review 1: c)OK, closed(Signed and sealed declaration from Mukhtar has been provided)
Type:	
Status:	Closed

Non-conformity ID:	CAR-7	**Reference to criteria:**	Ref. to ICR requirement/ ISO 14064-2	**Date:**	26/07/2024
Requirement:	Level 3 – Technology, Institutional, Common Practice Additionality				
Observation:	CAR				
Non-conformity:	There is contradiction about Nall number between PDD and Common Practice Excel sheet.				
Response from project proponent:	Nall number in PDD and Common Practice Excel sheet is the same.				
Referenced documentation:	ICR PDD v2.0 - Albay Çiğiltepe WPP Capacity Addition Project Capacity Addition Project Common practice analysis_AlbayCigiltepe_57.6MWe_WPP_v1_17-04-2024				
Validators assessment of corrective actions:	OK, closed (Common practice analysis sheet and PDD are consistent)				
Type:					
Status:	Closed				

Non-conformity ID:	CAR-8	**Reference to criteria:**	Ref. to ICR requirement/ ISO 14064-2	**Date:**	26/07/2024

Requirement:	Financial Additionality I
Observation:	CAR
Non-conformity:	There is wrong version number of investment analysis tool.
Response from project proponent:	Version of the tool is corrected. **Review 1** ACM0002 and TOOL27's versions are updated throughout the PDD.
Referenced documentation:	ICR PDD v2.0 - Albay Çiğiltepe WPP Capacity Addition Project Capacity Addition Project **Review 1** ICR PDD ID223 - Albay Çiğiltepe WPP Capacity Addition Project Capacity Addition Project - v3.0
Validators assessment of corrective actions:	Tool and applied methodology versions are not up-to date version. Response of Review 1: OK, closed (All versions have been updated)
Type:	
Status:	Closed

Non-conformity ID:	CAR-9	**Reference to criteria:**	Ref. to ICR requirement/ ISO 14064-2	**Date:**	26/07/2024
Requirement:	Investment analysis				
Observation:	CAR				
Non-conformity:	1. The issue of inconsistency between the method stated in pdd and the after-tax IRR calculation in the cash flow analysis needs clarification. 2. The issue of inconsistency between the method stated in pdd and the project IRR calculation in the cash flow analysis needs clarification. 3. It is unclear whether total investment amount is intended to use in the cash flow analysis or just the equity part of the total investment amount. 4. It is unclear whether the interest rates of TKB on the web are in line with the lending rates used for such projects like Albay so that suitable as a benchmark. 5. There is a need of check if total income revenue changes for each 5 years of period is reflected in the cash flow analysis correctly. 6. There is a need of further clarification for the 60 USDcent/kWh calculation as an electricity price used after 10 years of analysing period. 7. There is a need of further justification about "Operation&Maintenance" and "Administrative" costs which seems very high. Please clarify why this item doesn't exist in PDD table 4? 8. Please clarify why Transmission Costs doesn't exist in PDD table 4? 9. There is a need of further clarification about the following phrase stated in pdd "…which reflects the banker's expectations for a similar investment." It contradicts with the phrases in the previous paragraph referring to the actual lending rates in the market. 10. Please explain why depreciation is considered as a cash item in the IRR calculation.				

	11. Please check “Gross Operational Profit” calculation which is a reference for the corporate tax calculation. 12. Please explain the differences between technical lifetime stated in PDD and operational lifetime stated in IRR file.
Response from project proponent:	1) “Project IRR before tax” statement is changed as “Project IRR after tax” 2) Calculations in the cash flow analysis is carried out with the “Project IRR after tax” method. 3) Total investment amount is used in the cash flow without taking equity or loan into consideration. 4) According to Tool 27 v13.0 para 15, “Local commercial lending rates or WACC are appropriate benchmarks for a project IRR”. Therefore, lending rates of TKB is applicable as a benchmark for this project. 5) As can be seen in “2015 Finalized RES List” published by EMRA, Albay Çiğiltepe WPP Capacity Addition Project (formerly known as Dinar WPP) project’s last year to benefit from the fixed tariff price is 2023. The calculation of the revenues is carried out in accordance to this information. 6) Sales price after 2023 is estimated as the PTF of 2015 published by EPİAŞ. 7) The calculation of operational expenses has been changed based on the values in the "2015 Cost of Wind Energy Review – NREL" document. 8) The calculation of operational expenses has been changed based on the values in the "2015 Cost of Wind Energy Review – NREL" document. 9) This statement is revised to avoid confusion. 10) Depreciation costs are taken into account just for the calculation of the income tax. Depreciation expenses is added back to cash flow as it is not an actual expense incurred by the company. 11) “Gross Operational Profit” and “Earnings After Tax” calculations are made according to TOOL27 v13.0. 12) Operational lifetime is corrected. **Review 1** 3) As the corporate tax rate calculated by the net profit of the project, and since the expenses affecting the net profit are calculated without taking into account the loan/financing items, tax calculation is made in accordance with Project IRR calculation. 4) Local Commercial Lending Rates are not calculated specifically for project types. They are the general values for all medium-term investments in a country. As stated in TOOL27, Local Commercial Lending Rates can be used as a benchmark in Project IRR calculations regardless of project type.
Referenced documentation:	IRR Calculation__Albay_Cigiltepe_v2_03.06.2024 ICR PDD v2.0 - Albay Çiğiltepe WPP Capacity Addition Project Capacity Addition Project
Validators assessment of corrective actions:	1) OK, Closed 2) OK, Closed 3) It is understood that project IRR is calculated, and equity and loan items are not taken into consideration. However, there is a need for a check where all cost items are taken into consideration in the tax calculation. **Not closed** 4) These rates are an average of the rates used for all projects and clients. It is not sure whether it can be an indicator for this type of project specification. **Not closed** 5) OK, Closed

	6) OK, Closed 7) OK, Closed 8) Provide the evidence document. 9) OK, closed 10) OK, closed 11) OK, closed 12) OK, closed Response of Review 1: 3) OK, closed (Related calculations has been done) 4)OK, closed (Related explanation has been indicated) 8)OK, closed. (Evidence document has been provided)
Type:	
Status:	Closed

Non-conformity ID:	CAR-10	**Reference to criteria:**	Ref. to ICR requirement/ ISO 14064-2	**Date:**	26/07/2024
Requirement:	Project Boundary				
Observation:	CAR				
Non-conformity:	a) There is contradiction about project locations with all turbines in Table 6 Section 7 of PDD . b) There is no single diagram of project in Section 7 of PDD.				
Response from project proponent:	a) As putting the coordinates of all turbines will take so much space and corrupt the format, only site area's coordinate is written. b) A diagram of the project boundary is present in Section 7. **Review 1** a) Coordinates of all turbines have been added to Table 12 of Section 7 as requested. b) Single line diagram has been added to Section 7.				
Referenced documentation:	ICR PDD v2.0 - Albay Çiğiltepe WPP Capacity Addition Project Capacity Addition Project **Review 1** ICR PDD ID223 - Albay Çiğiltepe WPP Capacity Addition Project Capacity Addition Project - v3.0				
Validators assessment of corrective actions:	a) It has to be indicated of all parts of project according to ICR PDD Template v4.0 b) There is no single line diagram of project activity in Section 7 of PDD. Response of Review 1: a) OK, closed (All related turbines' coordinates has been added both existing and additional part) b) OK, closed (Single line diagram has been indicated properly)				
Type:					
Status:	Closed				

Non-conformity ID:	CAR-11	Reference to criteria:	Ref. to ICR requirement/ ISO 14064-2	Date:	26/07/2024
Requirement:	Monitoring Plan				
Observation:					
Non-conformity:	a) There is missing information about total part of project with all transformers, meters and related parts. It is not clear that how data is aggregating and collaborating. b) There is no information about calibration of equipment. Also, meter calibration and control procedures are different, however only meter control procedures has been indicated. c) According to on site visit interviews there are additional employee trainings however there is no information about additional trainings in Section 10.1 of PDD.				
Response from project proponent:	a) Information about the meters for the first part and capacity addition of the project has been added. b) Calibration dates of the meters are added. As the periodic tests of the meters are done every 2 years, calibration of the meters are done in the same time. c) Information about the additional trainings has been added. **Review 1:** a) Information about transformers and meters for both initial and capacity addition parts of the project have been added. c) Information about the additional trainings has been elaborated.				
Referenced documentation:	ICR PDD v2.0 - Albay Çiğiltepe WPP Capacity Addition Project Capacity Addition Project **Review 1** ICR PDD ID223 - Albay Çiğiltepe WPP Capacity Addition Project Capacity Addition Project - v3.0				
Validators assessment of corrective actions:	a) There is insufficient explanation of project activity including existing and additional part and related proponents of project activity. Also please see above CAR's response for related revisions. b) OK, closed. (meter calibration and test details has been added in line with evidence documents) c) Insufficient explanation. Response of Review 1: a)OK, closed (Related explanation has been indicated both existing and additional part of project) c)OK, closed (Related evidence documents has been provided)				
Type:					
Status:	Closed				

Non-conformity ID:	CAR-12	Reference to criteria:	Ref. to ICR requirement/ ISO 14064-2 / ITR findings	Date:	22/10/2024
Requirement:	Monitoring Plan				

Observation:	ITR (Missing information, document. Inconsistent and inaccurate information)
Non-conformity:	The decimal and comma notation is wrong and on page 35 of the PDD the emission factor is cited as 0,6345. Review 1: OK, closed.
Response from project proponent:	Mentioned error has been corrected.
Referenced documentation:	ICR PDD ID223 - Albay Çiğiltepe WPP Capacity Addition Project - v4.0
Validators assessment of corrective actions:	
Type:	
Status:	Closed

Non-conformity ID:	CAR-13	**Reference to criteria:**	Ref. to ICR requirement/ ISO 14064-2 / ITR findings	**Date:**	22/10/2024
Requirement:	Monitoring Plan				
Observation:	ITR (Missing information, document. Inconsistent and inaccurate information)				
Non-conformity:	The investment analysis sheet indicates the cash flow starting in 2018 whereas the crediting period is stated to be in 2016. The bearing of the same on the tariff too is to be checked and corrected noting the statement in the investment analysis sheet 'As the first part of the project was commissioned on 2013, the project's last year to benefit from the fixed tariff price of 7,78 $cent/kWh is 2023.'. Review 1: OK, closed. OK, closed.				
Response from project proponent:	a) Cash flow starts in 2017 now. As the crediting period starts at the end of 2016 and most of the turbines commissioned in January 2017, the start of the cash flow is chosen as 2017. b) Above changes also reflected on the tariff price.				

Referenced documentation:	ICR PDD ID223 - Albay Çiğiltepe WPP Capacity Addition Project - v4.0 IRR Calculation__Albay_Cigiltepe_v3_09.08.2024
Validators assessment of corrective actions:	
Type:	
Status:	Closed

Non-conformity ID:	CAR-14	**Reference to criteria:**	Ref. to ICR requirement/ ISO 14064-2 / ITR findings	**Date:**	22/10/2024
Requirement:	Monitoring Plan				
Observation:	ITR (Missing information, document. Inconsistent and inaccurate information)				
Non-conformity:	The ER spreadsheet has the wrong formula used in the emission reduction column summing up baseline, project and leakage emissions. Although it does not make difference in the ER numbers, however the formulation is incorrect. Review 1: Not corrected as the ER sheet still indicates sum of baseline, project and leakage. Review 2: OK, closed.				
Response from project proponent:	Mentioned formula has been corrected. Review 1: Mentioned formula is now corrected.				
Referenced documentation:	ER calculations_Albay_Cigiltepe_v2_09_08_2024				
Validators assessment of corrective actions:					
Type:					

Status:	CLosed

Non-conformity ID:	CAR-15	**Reference to criteria:**	Ref. to ICR requirement/ ISO 14064-2 / ITR findings	**Date:**	22/10/2024
Requirement:	Monitoring Plan				
Observation:	ITR (Missing information, document. Inconsistent and inaccurate information)				
Non-conformity:	As per ICR requirement document v.5.0 section 3.3, "Projects with a start date before 1. January 2020 shall demonstrate historical additionality (section 4.4.1) from its implementation and continuance of additionality at validation. Projects with a start date before 1. January 2020 shall pre-register the project, have signed a contract with an approved VVB for validation/verification, and start the validation process before 31. December 2023". Please clarify as to how the same is fulfilled. Review 1: OK, closed.				
Response from project proponent:	Mentioned eligibility criteria and its justification have been added to Section 1.9.				
Referenced documentation:	ICR PDD ID223 - Albay Çiğiltepe WPP Capacity Addition Project - v4.0				
Validators assessment of corrective actions:					
Type:					
Status:	Closed				

Non-conformity ID:	CAR-16	**Reference to criteria:**	Ref. to ICR requirement/ ISO 14064-2 / ITR findings	**Date:**	22/10/2024
Requirement:	Monitoring Plan				
Observation:	ITR (Missing information, document. Inconsistent and inaccurate information)				
Non-conformity:	The project activity description is to be clarified and corrected to clealry indicate that it covers only the capacity addition part. The reference to the first part part of project with				

	its associated 50 Turbines and bearing on the project under consideration is unclear in the PDD. Is the first part of the project registered under any other standard already? No related details are cited in the PDD. Review 1: OK, closed. OK, closed.
Response from project proponent:	a) Clear information about the first part of the project has been indicated on the Cover Page as well as Section 1.1 and Section 1.5. Statement about the project activity only covers the capacity addition is also added to the Cover Page and Section 1.1. b) First part of the project registered to Gold Standard. Information about this has been added to Section 1.12.
Referenced documentation:	ICR PDD ID223 - Albay Çiğiltepe WPP Capacity Addition Project - v4.0
Validators assessment of corrective actions:	
Type:	
Status:	Closed

Non-conformity ID:	CAR-17	**Reference to criteria:**	Ref. to ICR requirement/ ISO 14064-2 / ITR findings	**Date:**	22/10/2024
Requirement:	Monitoring Plan				
Observation:	ITR (Missing information, document. Inconsistent and inaccurate information)				
Non-conformity:	It is unclear as to why the 31 turbines with 2.75 MW capacity are curtailed to 57.6 MWe. Review 1: OK, closed.				
Response from project proponent:	Installed powers of the turbines of the first part 2.75, while 31 turbines, which belong to the capacity addition, have the capacity of 1.858 MW. Therefore, aggregated capacity of the capacity addition part is 31*1.858=57.5798 MWe.				
Referenced documentation:	ICR PDD ID223 - Albay Çiğiltepe WPP Capacity Addition Project - v4.0				

Validators assessment of corrective actions:	
Type:	
Status:	Closed.

Non-conformity ID:	CAR-18	**Reference to criteria:**	Ref. to ICR requirement/ ISO 14064-2 / ITR findings	**Date:**	22/10/2024
Requirement:	Monitoring Plan				
Observation:	ITR (Missing information, document. Inconsistent and inaccurate information)				
Non-conformity:	The coordinates cited for the 31 turbines as part of capacity addition need not be repeated in the project boundary table. Review 1: OK, closed.				
Response from project proponent:	Mentioned table is revised.				
Referenced documentation:	ICR PDD ID223 - Albay Çiğiltepe WPP Capacity Addition Project - v4.0				
Validators assessment of corrective actions:					
Type:					
Status:	Closed				

Non-conformity ID:	CAR-19	**Reference to criteria:**	Ref. to ICR requirement/ ISO 14064-2 / ITR findings	**Date:**	22/10/2024
Requirement:	Monitoring Plan				
Observation:	ITR (Missing information, document. Inconsistent and inaccurate information)				

Non-conformity:	Projects with a start date before 1. January 2020 shall demonstrate historical additionality (section 4.4.1) from its implementation and continuance of additionality at validation. Review 1: OK, closed.
Response from project proponent:	Historical additionality is shown in IRR Sheet and Section 5.5 now.
Referenced documentation:	ICR PDD ID223 - Albay Çiğiltepe WPP Capacity Addition Project - v4.0
Validators assessment of corrective actions:	
Type:	
Status:	Closed

Non-conformity ID:	CAR-20	**Reference to criteria:**	Ref. to ICR requirement/ ISO 14064-2 / ITR findings	**Date:**	22/10/2024
Requirement:	Monitoring Plan				
Observation:	ITR (Missing information, document. Inconsistent and inaccurate information)				
Non-conformity:	For the investment analysis, the basis of O&M is not from the feasibility study. Review 1: Why was the OPEX not included in the feasibility study, please clarrify in the response too. Review 2: OK, closed.				
Response from project proponent:	OPEX was not calculated in the feasibility study, therefore, “2015 Cost of Wind Energy Review – NREL” report has been used for the estimation of O&M costs.				

	Review 1: Since the financial feasibility study used is not mandatory and is an internal study of the project owner company, the project owner preferred to conduct a study only for the investment amount before the investment decision date.
Referenced documentation:	
Validators assessment of corrective actions:	
Type:	
Status:	Closed.

Non-conformity ID:	CAR-21	**Reference to criteria:**	Ref. to ICR requirement/ ISO 14064-2 / ITR findings	**Date:**	22/10/2024
Requirement:	Monitoring Plan				
Observation:	ITR (Missing information, document. Inconsistent and inaccurate information)				
Non-conformity:	As the project has been operational for long and the registration being sought now. Review 1: OK, closed.				
Response from project proponent:	Historical additionality is demonstrated in both IRR sheet and Section 5.5 now. In addition, the role of carbon credits and the benefit of carbon credits in mitigating the financial difficulties the project has experienced to date is also explained in the same section.				
Referenced documentation:	ICR PDD ID223 - Albay Çiğiltepe WPP Capacity Addition Project - v4.0				
Validators assessment of corrective actions:					
Type:					
Status:	Closed				

Non-conformity ID:	CAR-22	Reference to criteria:	Ref. to ICR requirement/ ISO 14064-2 / ITR findings	Date:	22/10/2024
Requirement:	Monitoring Plan				
Observation:	ITR (Missing information, document. Inconsistent and inaccurate information)				
Non-conformity:	The common practice sheet submitted refers to Dinar WPP. The derivation of Output tab from the tab Step3-4-5 is unclear. Review 1: OK, closed. The revised corrected common practice sheet is to be submitted. Review 2: b)OK, closed.				
Response from project proponent:	a) Dinar WPP is the previous name of the Albay Çiğiltepe WPP. Please see the amendment number 13 on the last page of generation license. b) Miscalculations are corrected for Common Practice assessment. Review 1: b) Latest version of the CP sheet is shared.				
Referenced documentation:	Common practice analysis_AlbayCigiltepe_57.6MWe_WPP_v2_09-08-2024 ICR PDD ID223 - Albay Çiğiltepe WPP Capacity Addition Project - v4.0				
Validators assessment of corrective actions:					
Type:					
Status:	Closed				

Non-conformity ID:	CAR-23	Reference to criteria:	Ref. to ICR requirement/ ISO 14064-2 / ITR findings	Date:	22/08/2024
Requirement:	Monitoring Plan				
Observation:	ITR (Missing information, document. Inconsistent and inaccurate information)				

Non-conformity:	As the project is already operational, the meter details covering the previous period is also to be clearly depicted rather than just the changed meter in 2022. Review 1: Table 14 and Table 15 in the PDD indicate calibration date and replacement of meters in 2022. Please clarify about earlier meters. Review 2: OK, closed
Response from project proponent:	There has been no meter change since the commissioning of the project. This can be verified by comparing the meter information in provisional acceptance documents (page 26) and the latest test document. Review 1: As indicated in previous response, the meters are not changed. Table 14 indicated the meters for the capacity addition part and 15 indicates the meters for the first part of the project.
Referenced documentation:	Provisional Acceptance Documents 09.03.2022 TUTANAK 09.03.2022 TEST SERTİFİKASI TR-C ANA SAYAÇ (AKTİF) 09.03.2022 TEST SERTİFİKASI TR-C YEDEK SAYAÇ (AKTİF)
Validators assessment of corrective actions:	
Type:	
Status:	Closed.

IV. Validation Team and ITR Competence

Mrs. Beyda Altuntaş holds a B.Sc. degree in “Regional Planning” from Gazi University / Ankara and currently undergoes a M.Sc. program in the same. With re-carbon, Beyda is an internal Team Leader and technical expert for “Project-Level Group 1 - GHG Project Type: Renewable Energy Production”. Beyda is also a Regional Expert for Türkiye.

Mr. Murat Gençer holds a B.Sc. degree in “Mathematics from the Teaching Department” of Boğaziçi University and an M.Sc. in “Economy” from Marmara University, as well as a Ph.D. in “Financial Economy” from Yeditepe University in Türkiye. Murat has over 10 years of professional experience as a financial expert with various DOEs. Murat is a freelance Financial Expert in re-carbon.

Mr. Sandeep Kanda holds a Bachelor’s degree in “Mechanical Engineering”, a Master’s degree in “Energy Systems Engineering” from the Indian Institute of Technology/Bombay and a Post Graduate Diploma in “Industrial Safety & Environmental Management” from the National Institute of Industrial Engineering in India. He has over 20 years of professional experience working in the area of energy and environmental management, capacity building, climate change adaptation and mitigation activities, sustainability, auditing and product development. Sandeep has been involved in various capacities in the development and impact assessment of more than 500 climate change mitigation projects and programmatic activities worldwide, covering a range of sectoral scopes, such as Energy industries (renewable-/non-renewable), Energy distribution, Energy demand, Manufacturing industries, Chemical industries, Transport, Metal production, Waste handling & disposal and Agriculture. With re-carbon, Sandeep is a free-lance Team Leader, ITR and Technical Expert for Project-Level Groups 1, 5 and 6 . Sandeep is also a Regional Expert for China, India, Indonesia, Mexico, Nepal, Philippines, Tanzania, Thailand, Türkiye and Vietnam.

Ms. Helin Tüzer holds a B.Sc. degree in “Agriculture” from Ankara University. With re-carbon, Helin is an internal Validator/Verifier Trainee in “Project-Level Group 1 - GHG Project Type: Renewable Energy Production”.

V. Appointment Certificates

CERTIFICATE OF APPOINTMENT

re-carbon
quality in carbon auditing

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

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

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

This Certificate of Appointment is given to

Mrs. Beyda Altuntaş

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

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

Christian Johannes
(General Manager)

Gold Standard
Climate Security & Sustainable Development

Verified Carbon Standard
A VERRA STANDARD

CERCARBONO
Certified Carbon Standard

PROJECT LEVEL GROUP	GHG PROJECT TYPE EXPERTISE	EQUIVALENT CDM TECHNICAL AREA EXPERTISE (reference only)	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
1	Renewable Energy Production	1.2	02.02.2024	02.02.2024	21.03.2024		15.12.2023
1	Energy Efficiency Improvements	3.1					
5	Methane Collection & destruction	13.2					
5	Livestock & other anaerobic digester operations	13.2					
5	Agricultural methane emission reduction	15.1					
5	Agricultural carbon emission reduction	15.1					
6	Capture & destruction of landfill gas	13.1					
6	Capture & use of landfill gas	13.1					
6	Avoidance of methane production in wastewater treatment	13.1					
		SDS Criteria:	02.02.2024	02.02.2024	21.03.2024		15.12.2023

VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
02.02.2024	02.02.2024	21.03.2024		15.12.2023
02.02.2024	02.02.2024	21.03.2024		15.12.2023

VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
				15.12.2023
				15.12.2023

ICR International Carbon Registry

BioCarbon Registry

PROJECT LEVEL GROUP	GHG PROJECT TYPE EXPERTISE	EQUIVALENT CDM TECHNICAL AREA EXPERTISE (reference only)	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
1	Renewable Energy Production	1.2	02.02.2024	02.02.2024	21.03.2024		15.12.2023
1	Energy Efficiency Improvements	3.1					
5	Methane Collection & destruction	13.2					
5	Livestock & other anaerobic digester operations	13.2					
5	Agricultural methane emission reduction	15.1					
5	Agricultural carbon emission reduction	15.1					
6	Capture & destruction of landfill gas	13.1					
6	Capture & use of landfill gas	13.1					
6	Avoidance of methane production in wastewater treatment	13.1					
		SDS Criteria:	02.02.2024	02.02.2024	21.03.2024		15.12.2023

VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
				15.12.2023
				15.12.2023

VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
02.02.2024	02.02.2024	21.03.2024		15.12.2023
02.02.2024	02.02.2024	21.03.2024		15.12.2023

Fe	15.03.2024	15.03.2024	15.03.2024	15.03.2024
SI	15.03.2024	15.03.2024	15.03.2024	15.03.2024
GOLD/A	15.03.2024	15.03.2024	15.03.2024	15.03.2024

COUNTRY EXPERTISE: Türkiye for all above listed GHGRSs

F-C-044 / 27.03.2024 - 02

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This Certificate of Appointment is given to

Dr. Murat Gençer (Financial Expert)

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

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

Christian Johannes
(General Manager)

Gold Standard
Climate Security & Sustainable Development

Verified Carbon Standard
A VERRA STANDARD

CERCARBONO
Certified Carbon Standard

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

VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT

VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT

ICR International Carbon Registry

BioCarbon Registry

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

VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT

VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT

COUNTRY EXPERTISE:

Dr. Murat Gençer is a Financial Expert for all GHGRSs, listed above

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CERTIFICATE OF APPOINTMENT

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This Certificate of Appointment is given to

Mr. Sandeep Kanda

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

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

Christian Johannes
(General Manager)

Gold Standard (Climate Security & Sustainable Development) | **Verified Carbon Standard** | **CERCARBONO**

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

Gold Standard:

GHG PROJECT TYPE EXPERTISE	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
Renewable Energy Production	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022
Energy Efficiency Improvements	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022
Methane Collection & destruction	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022
Livestock & other anaerobic digester operations	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022
Agricultural methane emission reduction	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022
Agricultural carbon emission reduction	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022
Capture & destruction of landfill gas	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022
Capture & use of landfill gas	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022
Avoidance of methane production in wastewater treatment	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022
SDS Criteria:	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022

Verified Carbon Standard:

GHG PROJECT TYPE EXPERTISE	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
Renewable Energy Production	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022
Energy Efficiency Improvements	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022
Methane Collection & destruction	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022
Livestock & other anaerobic digester operations	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022
Agricultural methane emission reduction	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022
Agricultural carbon emission reduction	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022
Capture & destruction of landfill gas	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022
Capture & use of landfill gas	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022
Avoidance of methane production in wastewater treatment	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022
SDS Criteria:	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022

CERCARBONO (Certified Carbon Standard):

GHG PROJECT TYPE EXPERTISE	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
Renewable Energy Production					
Energy Efficiency Improvements					
Methane Collection & destruction					
Livestock & other anaerobic digester operations					
Agricultural methane emission reduction					
Agricultural carbon emission reduction					
Capture & destruction of landfill gas					
Capture & use of landfill gas					
Avoidance of methane production in wastewater treatment					
SDS Criteria:					

ICR International Carbon Registry | **BioCarbon Registry** | **GCC**

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

International Carbon Registry:

GHG PROJECT TYPE EXPERTISE	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
Renewable Energy Production	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023
Energy Efficiency Improvements	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023
Methane Collection & destruction	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023
Livestock & other anaerobic digester operations	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023
Agricultural methane emission reduction	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023
Agricultural carbon emission reduction	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023
Capture & destruction of landfill gas	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023
Capture & use of landfill gas	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023
Avoidance of methane production in wastewater treatment	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023
SDS Criteria:	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023

BioCarbon Registry:

GHG PROJECT TYPE EXPERTISE	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
Renewable Energy Production	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023
Energy Efficiency Improvements	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023
Methane Collection & destruction	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023
Livestock & other anaerobic digester operations	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023
Agricultural methane emission reduction	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023
Agricultural carbon emission reduction	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023
Capture & destruction of landfill gas	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023
Capture & use of landfill gas	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023
Avoidance of methane production in wastewater treatment	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023
SDS Criteria:	02.02.2023	02.02.2023	02.02.2023	02.02.2023	02.02.2023

GCC:

GHG PROJECT TYPE EXPERTISE	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
Renewable Energy Production	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022
Energy Efficiency Improvements	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022
Methane Collection & destruction	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022
Livestock & other anaerobic digester operations	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022
Agricultural methane emission reduction	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022
Agricultural carbon emission reduction	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022
Capture & destruction of landfill gas	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022
Capture & use of landfill gas	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022
Avoidance of methane production in wastewater treatment	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022
SDS Criteria:	07.07.2022	07.07.2022	07.07.2022	07.07.2022	07.07.2022
F+	Trainee	Trainee	Trainee	Trainee	Trainee
S1	Trainee	Trainee	Trainee	Trainee	Trainee
CORSIA	Trainee	Trainee	Trainee	Trainee	Trainee

COUNTRY EXPERTISE:

China, India, Indonesia, Mexico, Philippines, Tanzania, Thailand, Türkiye, Vietnam for all above listed GHGRSs

F-C-044 / 27.03.2024 - 02

CERTIFICATE OF APPOINTMENT

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This Certificate of Appointment is given to

Ms. Helin Tüzer

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

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Christian Johannes
(General Manager)

Gold Standard
Climate Security & Sustainable Development

Verified Carbon Standard
A VERRA STANDARD

CERCARBONO
Certified Carbon Standard

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

ICR International Carbon Registry

BioCarbon Registry

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

Fa	15.03.2024	15.03.2024			15.03.2024
Si	15.03.2024	15.03.2024			15.03.2024
Jorisa	15.03.2024	15.03.2024			15.03.2024

COUNTRY EXPERTISE:

Trainee for Türkiye for all above listed GHGRSs

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VI. Input Verification Table

	Reference document	Comment
Investment costs		
Civil works	Feasibility study	Realized Financial Values excel file "sheet name: Dinar 2. Aşama" in which the realized amounts are listed. Also in IRR file sheet "Realized CAPEX" realized figures are compared with the actual realizations.
Electromechanical Equipment	Feasibility study	
Electromechanical Works	Feasibility study	
Transmission Lines	Feasibility study	
Land Acquisition/Permits	Feasibility study	
General Administration	Feasibility study	
Investment decision date	Turbine agreement	Turbine Agreement, Provisional Acceptances protocol.
Technical inputs		
Installed power	Generation license	The same explanation at below.
Total energy generation per year	Generation license	Enerji Piyasası Veritabanı Yönetim Sistemi (epdk.gov.tr) Write "Albay" in the "Tesis Adı" part Also OLGU-ALBAY ÇİĞİLTEPE RES.pdf page 1 Please note that while 200.25 is the installed capacity, 201.6 is the projected capacity.
Capacity factor	Calculation	OLGU-ALBAY ÇİĞİLTEPE RES.pdf page 1 Divide Total Energy Generation per year by 57,6 installed power
Operational costs		
Operation/maintenance and renovation cost	2015 Cost of Wind Energy Review - NREL	https://www.nrel.gov/docs/fy17osti/66861.pdf page 8, table ES1

Operational lifetime	TOOL10, v1.0	https://cdm.unfccc.int/methodologies/PAmethodologies/tools/am-tool-10-v1.pdf
Corporate tax rate	Tax Regulation for 2016	https://www.vergidegundem.com/pb_kurumlar_vergisi_oranlari
Depreciation time	Turkish Revenue Administration (page 21)	https://www.gib.gov.tr/sites/default/files/fileadmin/user_upload/Yararli_Bilgiler/amortisman_oranlari.pdf
Electricity revenue		
First 6 years' sales price	Finalized RES List - 2015	https://www.epdk.gov.tr/Detay/DownloadDocument/0Bh0p4XwxRo=
Sales price after the first 10 years	Calculated	https://www.myenerjisolar.com/turkiye-yillara-gore-enerji-piyasalari-arastirmasi/#:~:text=Yine%20de%20PTF%20%2B%20YEKDEM%20toplam%C4%B1n%C4%B1n,ger%C3%A7ekle%C5%9Fti.%202024%20y%C4%B1l%C4%B1%20Temmuz%20ay%C4%B1 2015 average price is used for the next 10 years as a reference