International Carbon Registry

Ovid Wind Farm Project

Verification Report

Summary

"Ovid Wind Farm Project" is operated by "Ovid Wind LLC". The project activity is located in Ovidiopol district, approximately 30 km southwest of the city of Odesa, in Ukraine. The purpose of the project is to provide renewable electricity to the Ukraine grid through wind energy. According to the "commissioning acceptance" document, the start date of the operation of the project is 01/05/2019. 9 wind turbines are available at the project site with the installed capacity of 3.63 MWe each. Therefore, the total installed capacity of the project activity is 32.67 MWe. Based on real electricity generation data, the total value of the electricity generation is calculated as 425,040.82 MWh. Also, the achieved emission reduction of the project is calculated as 273,352 tCO_2e during monitoring period.

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Re Carbon Gözetim Denetim ve Belgelendirme Ltd. Şt

Title of the Project	Ovid Wind Farm Project
ID of Project	112
Date of Project Design Document	26/07/2023
Version of Project Design Document	1.3
Date of Monitoring report	31/10/2023
Version of Monitoring report	1.3
Monitoring period	From 01/05/2019 to 30/04/2023
Statement by the Project Proponent	The Project Proponent states he is responsible for the preparation and fair presentation of the Monitoring Report and all accompanying documentation provided.

Title of Report	Ovid Wind Farm Project Verification Report
ID of Report	1140
Client	Ovid Wind LLC
Date of Verification	1/12/2023
Version number of this report	03
Date of version	1/12/2023
Prepared By	Re Carbon Gözetim Denetim ve Belgelendirme Ltd. Şti.
Contact	Mr. Christian JOHANNES - General Manager, physical address: Prof. Dr. Aziz Sancar Caddesi 27/6 - TR / 06690, Çankaya-/ Ankara, Tel.: +90-312-287 51 22, email: info@re-carbon.net, website: www.re-carbon.net
Independent review	Mr. Sandeep KANDA
Verification Team Leader	Mr. Khalid MAHMOOD
Verification 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 verification of the project activities. It is Re Carbon Ltd.'s opinion that the project activity "Ovid Wind Farm Project" in Ukraine, as described in the MR, version 1.3 dated 31/10/2023, 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 electricity generation from renewable sources", version 21.0. Hence, Re

	Carbon Ltd. requests activation of ICCs in the registry for the validated project activity as an ICR project activity.
Signature	Esin TUNALI (CM)  Sandeep KANDA (ITR) 

Contents

1. Summary

"Ovid Wind Farm Project" is operated by "Ovid Wind LLC". The project activity is located in Ovidiopol district, approximately 30 km southwest of the city of Odesa, in Ukraine. The purpose of the project is to provide renewable electricity to the Ukraine grid through wind energy. According to the "commissioning acceptance" document, the start date of the operation of the project is 01/05/2019. 9 wind turbines are available at the project site with the installed capacity of 3.63 MWe each. Therefore, the total installed capacity of the project activity is 32.67 MWe. The commissioning dates of the wind turbines are as follows:

Turbine	Commissioning Completion Date	Reliability Completion Date
WTG 1 -36170270	25/01/2019	31/01/2019
WTG 2 -36170272	30/01/2019	07/02/2019
WTG 3 - 36170274	04/02/2019	11/02/2019
WTG 4 36170276	02/03/2019	11/03/2019
WTG 5 36170271	28/01/2019	04/02/2019
WTG 6 36170273	30/01/2019	07/02/2019
WTG 8 36170275	07/02/2019	18/02/2019
WTG 9 36170277	20/02/2019	26/02/2019
WTG 10 36170278	11/03/2019	01/04/2019

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

The technical features of the wind turbines are as follows:

Brand	General Electric
Type	GE 3.6-137
Number of Blades	3
Swept Area	14,741 m^2
Rotor Diameter	137 m
Electric Output of Each Turbine	3.63 MWe
Maximum Speed of the Blade Tips	82.0 m/s

The technical features of the wind turbines have been checked and confirmed via the technical document of General Electric (GE).

The coordinates of the wind turbines are as follows:

Turbine	Latitude	Longitude
WTG 1 -36170270	46.229719°	30.469704°
WTG 2 -36170272	46.227898°	30.487732°
WTG 3 - 36170274	46.227564°	30.494686°
WTG 4 36170276	46.226220°	30.508451°
WTG 5 36170271	46.223332°	30.474743°
WTG 6 36170273	46.222520°	30.483135°
WTG 8 36170275	46.221036°	30.499335°
WTG 9 36170277	46.220521°	30.505735°
WTG 10 36170278	46.219988°	30.512614°

The wind turbines'[1] coordinates have been confirmed via the reference link https://kadastr.live/#12.61/46.2206/30.48321

Based on real electricity generation data, the value of the electricity generation during the monitoring period (from 01/05/2019 to 30/04/2023) is calculated as 425,040.82 MWh.

The chosen monitoring period is from 01/05/2019 to 30/04/2023. The total achieved net emission reduction value for the monitoring period is 273,352 tCO_2e.

The spatial extent of the project boundary includes the project power plant/unit and all power plants/units connected physically to the Ukraine grid system that the project power plant is connected to as per the applied methodology ACM0002, version 21.0. As per this statement the project boundary includes:

- The project activity (Ovid Wind Farm Project)
- Substation that connects the Ovid WFP to the Ukraine grid system
- Ukraine grid system

In the absence of the project activity, the same amount of electricity generated by the Ovid Wind Farm Project would have otherwise been generated by the operation of Ukraine grid-connected power plants and by the addition of new generation sources into the grid (Ukraine grid system is dominated by nuclear and thermal power plants).

[1] While analyzes were initially carried out for 10 turbines during the installation phase of the project, it was determined that the area where the WTG 7 was located in inconvenient area. For this reason, WTG7 was removed from the list and the total capacity was provided with 9 turbines of 3.63 MW each.

2. General

2.1 Objective

Re Carbon Ltd. was appointed by "Ovid Wind LLC" to perform the verification of the "Ovid Wind Farm Project" in "Ukraine" through a service agreement, dated 01/08/2023. The objective of this verification activity is to have an independent third party for the assessment of the project design and monitoring, 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 electricity generation from renewable sources", version 21.0.
- the project's monitoring plan was assessed against "ACM0002: Grid-connected electricity generation from renewable sources", version 21.0.
- 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
- CDM Validation and Verification Standard for project activities version 3.0
- CDM Project Standard for Project Activities version 3.0
- ICR Standard Version 4.0

Verification 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 GHG emission mitigation.

2.2 Level of Assurance

Re Carbon Ltd. hereby confirms that the level of assurance of this verification report is reasonable, with respect to material errors, omissions, and misrepresentations. To guarantee this level of assurance all data that is used in the GHG emission reduction calculations have been reviewed without any sampling.

2.3 Criteria

The Monitoring Report is reviewed against the relevant criteria.

2.4 Scope

The scope of the verification is the independent and objective review of the monitored GHG reductions. The verification activity is based on the validated and registered PDD version 1.3, dated 26/07/2023.
The project activity and the monitoring report are assessed against the requirements of Article 12 of the Kyoto Protocol, CDM Modalities and Procedures as agreed on in the Marrakech Accords under decision 3/CMP.1, the annexes to that decision, "ACM0002: Grid-connected electricity generation from renewable sources --- Version 21.0", subsequent decisions and guidance made by COP/MOP and the CDM Executive Board as well as other related rules, according to the guidance given in the CDM Validation and Verification Standard for project activities version 3.0, CDM Project Standard for project activities version 3.0, and ICR Standard Version 4.0.
The only purpose of the verification 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 verification opinion that go beyond that purpose.

2.5 Materiality Thresholds

Verification VVB checked all data set (ASCOE records from 01/05/2019 – 30/04/2023) and each day of production is included in these readings. These readings are exact and are the basis for billing. They are recorded and saved automatically by the relevant government authority and there is no base for any option of material information.

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

2.6 Verification Team

Full Name	Role or Responsibility	Type of activity performed
Khalid MAHMOOD	Team Leader	A, DR, RA, R
Beyda ALTUNTAŞ	Trainee Verifier	A, DR, RA, R
Zoia PAVLENKO	Regional Expert	DR, RA, R, SV
Sandeep KANDA	ITR	ITR

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

A: Administrative

DR: Desk Review

RA: Remote Assessment

SV: Site Visit

R: Reporting

ITR: Independent Technical Review

2.6.1 Verification Team and ITR Competence

Mr. Khalid Mahmood holds a Bachelor degree in "Chemistry, Botany, Zoology" from the Islamia University of Bahawalpur, a Master’s degree in "in Environmental Science" from the from the University of the Punjab and a second Master’s degree in "Environmental Protection and Agricultural Food Production" from the University of Hohenheim. He has over 15 years of professional experience working for a variety of DOEs as a Team Leader. With re-carbon Khalid is a Team Leader and a TA 1.2, 13.1 and 13.2 expert as well as a Regional Expert for Tunisia, Türkiye, Brazil, China, Pakistan.

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 a TA 1.1, 1.2, 2.1, 3.1, 4.1, 9.1, 9.2, 13.1, 13.2 & 15.1 expert. Sandeep is also a Regional Expert for China, India, Indonesia, Mexico, Nepal, Philippines, Tanzania, Thailand, Türkiye and Vietnam.

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 Validator/Verifier Trainee.

Ms. Zoia Pavlenko holds a M. Sc. Degree in Environmental Engineering with Nottingham University. She has over 10-year experience in mainstreaming environmental issues into economic activities. This includes environmental impact assessment projects in the metallurgy, energy, and agricultural sectors. Within the international technical assistance projects, Zoia has been integrating environmental considerations into the operations of small and medium enterprises, facilitated the spread of resource efficiency measures in industry and organic farming practices. Zoia was engaged in the EU environmental policy analysis and public dialogues on its transposition into the Ukrainian sectoral legislation. With re-carbon, Zoia is a free-lance Regional Expert for the Ukraine.

2.6.2 Appointment Certificates

CERTIFICATE OF APPOINTMENT

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

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

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

This Appointment Certificate is granted on the date of **18.07.2023** by:

Christian Johannes
(General Manager)

This Certificate of Appointment is given to

Mr. Khalid Mahmood

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

Gold Standard
Climate Security & Sustainable Development

Verified Carbon Standard
A VERRA STANDARD

SECTORAL SCOPE	TECHNICAL AREA	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
SS 01: Energy industries	TA 1.1: Thermal energy generation															
	TA 1.2: Renewables	18.07.23	18.07.23	18.07.23		18.07.23	18.07.23	18.07.23	18.07.23		18.07.23	18.07.23	18.07.23	18.07.23		18.07.23
SS 02: Energy distribution	TA 2.1: Energy distribution															
SS 03: Energy demand	TA 3.1: Energy demand															
SS 13: Waste handling and disposal	TA 13.1: Solid waste and wastewater	18.07.23	18.07.23	18.07.23		18.07.23	18.07.23	18.07.23	18.07.23		18.07.23	18.07.23	18.07.23	18.07.23		18.07.23
	TA 13.2: Manure															
SS 15: Agriculture	TA 16.1: Agriculture															

GCC

ICR International Carbon Registry

BioCarbon Registry

SECTORAL SCOPE	TECHNICAL AREA	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
SS 01: Energy industries	TA 1.1: Thermal energy generation															
	TA 1.2: Renewables	18.07.23	18.07.23	18.07.23		18.07.23										
SS 02: Energy distribution	TA 2.1: Energy distribution															
SS 03: Energy demand	TA 3.1: Energy demand															
SS 13: Waste handling and disposal	TA 13.1: Solid waste and wastewater	18.07.23	18.07.23	18.07.23	18.07.23	18.07.23										
	TA 13.2: Manure															
SS 15: Agriculture	TA 16.1: Agriculture															

COUNTRY EXPERTISE:	Brazil, China, Pakistan, Tunisia, Türkiye

CERTIFICATE OF APPOINTMENT

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

Christian Johannes
(General Manager)

This Certificate of Appointment is given to

Mr. Sandeep Kanda

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

Gold Standard
Climate Security & Sustainable Development

Verified Carbon Standard
A VERRA STANDARD

SECTORAL SCOPE	TECHNICAL AREA	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
SS 01: Energy industries	TA 1.1: Thermal energy generation	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022
	TA 1.2: Renewables	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022
SS 02: Energy distribution	TA 2.1: Energy distribution	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022
SS 03: Energy demand	TA 3.1: Energy demand	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022
SS 13: Waste handling and disposal	TA 13.1: Solid waste and wastewater	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022
	TA 13.2: Manure	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022
SS 15: Agriculture	TA 15.1: Agriculture	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022	08.02.2022

International Carbon Registry

BioCarbon Registry

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

COUNTRY EXPERTISE: China, India, Indonesia, Mexico, Nepal, Philippines, Tanzania, Thailand, Türkiye and Vietnam

F-C-044 / 23.01.2023 - 00

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CERTIFICATE OF APPOINTMENT

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

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

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

This Appointment Certificate is granted on the date of **01.09.2022** by:

RE CARBON GÖZETİM DENETİM VE BELGELENDİRME LİMİTED ŞİRKETİ

____

Christian Johannes
(General Manager)

This Certificate of Appointment is given to

Ms. Zoia Pavlenko

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

UNFCCC | Gold Standard (Climate Security & Sustainable Development) | Verified Carbon Standard (A VERRA STANDARD)

SECTORAL SCOPE	TECHNICAL AREA	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
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SS 15: Agriculture	TA 15.1: Agriculture															

GCC (Global Carbon Council) | ICR International Carbon Registry | BioCarbon Registry

SECTORAL SCOPE	TECHNICAL AREA	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT	VERIFIER	VALIDATOR	TEAM LEADER	ITR	EXPERT
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SS 13: Waste handling and disposal	TA 13.1: Solid waste and wastewater															
	TA 13.2: Manure															
SS 15: Agriculture	TA 15.1: Agriculture															

COUNTRY EXPERTISE: Ukraine (for all schemes listed above in this certificate)

2.7 Verification Activities and Techniques

Through a contract, dated 01/08/2023, Re Carbon Ltd. was appointed by "Ovid Wind LLC" to perform the 1st verification of the "Ovid Wind Farm Project". The objective of this verification activity was to assess, with objective evidence:

- if the monitoring report version 1.3 dated "31/10/2023" conforms with the requirements of the monitoring plan of the registered PD and the approved methodology
- if the project activity conforms with the monitoring report and the registered PD, and
- if the data reported in the monitoring report are complete and transparent.

The scope of the verification is the independent and objective review of the monitored GHG reductions. The verification activity is based on the validated and registered PD version 1.3 dated 26/07/2023.

The project activity and the monitoring report are assessed against the requirements of Article 12 of the Kyoto Protocol, CDM Modalities and Procedures as agreed on in the Marrakech Accords under decision 3/CMP.1, the annexes to that decision, "ACM0002: Grid-connected electricity generation from renewable sources --- Version 21.0", subsequent decisions and guidance made by COP/MOP and the CDM Executive Board as well as other related rules, according to the guidance given in the CDM Validation and Verification Standard for project activities version 3.0, CDM Project Standard for project activities version 3.0, and ICR Standard Version 4.0.

The only purpose of the verification 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 verification opinion that go beyond that purpose.

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

2.8 Documented Information

The basis for the verification activity is the monitoring report version 1.0, dated 03/08/2023 which was submitted to the verification team on 03/08/2023. This monitoring report was revised several times due to issued CARs and CLs, with version 1.3, dated 31/10/2023 being the final version. The monitoring report and the monitoring activities were assessed against the registered PD, version 1.3, dated 26/07/2023, the "ACM0002: Grid-connected electricity generation from renewable sources --- Version 21.0", the relevant ICR rules and regulations, CDM Validation and Verification Standard for project activities version 3.0, CDM Project Standard for project activities version 3.0, and the final validation report version 02 dated 31/07/2023.

The following actions were involved in the desk review:

- A review of the data and information presented to verify their completeness

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

Engagement terms	☒
Verification 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 verification and the conclusions reached	☒
Communication with the responsible party on material misstatements	☒
The conclusions reached and opinions by the verifier.	☒
The name of the independent reviewer, the date of review and comments of the reviewer	☒

3. Project and Summary from Verification Findings

3.1 Description of the Project

"Ovid Wind Farm Project" is operated by "Ovid Wind LLC". The project activity is located in Ovidiopol district, approximately 30 km southwest of the city of Odesa, in Ukraine. The purpose of the project is to provide renewable electricity to the Ukraine grid through wind energy. According to the "commissioning acceptance" document, the start date of the operation of the project is 01/05/2019. Total 9 wind turbines are available at the project site with the installed capacity of 3.63 MWe each. Therefore, the total installed capacity of the project activity is 32.67 MWe. The commissioning dates of the wind turbines are as follows:

Turbine	Commissioning Completion Date	Reliability Completion Date
WTG 1 -36170270	25/01/2019	31/01/2019
WTG 2 -36170272	30/01/2019	07/02/2019
WTG 3 - 36170274	04/02/2019	11/02/2019
WTG 4 36170276	02/03/2019	11/03/2019
WTG 5 36170271	28/01/2019	04/02/2019
WTG 6 36170273	30/01/2019	07/02/2019
WTG 8 36170275	07/02/2019	18/02/2019
WTG 9 36170277	20/02/2019	26/02/2019
WTG 10 36170278	11/03/2019	01/04/2019

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

The technical features of the wind turbines are as follows:

Brand	General Electric
Type	GE 3.6-137
Number of Blades	3
Swept Area	14,741 m^2
Rotor Diameter	137 m
Electric Output of Each Turbine	3.63 MWe
Maximum Speed of the Blade Tips	82.0 m/s

The technical features of the wind turbines have been confirmed via the technical document of General Electric (GE).

The coordinates of the wind turbines are as follows:

Turbine	Latitude	Longitude
WTG 1 -36170270	46.229719°	30.469704°
WTG 2 -36170272	46.227898°	30.487732°
WTG 3 - 36170274	46.227564°	30.494686°
WTG 4 36170276	46.226220°	30.508451°
WTG 5 36170271	46.223332°	30.474743°
WTG 6 36170273	46.222520°	30.483135°
WTG 8 36170275	46.221036°	30.499335°
WTG 9 36170277	46.220521°	30.505735°
WTG 10 36170278	46.219988°	30.512614°

The wind turbines' coordinates have been confirmed via the reference link https://kadastr.live/#12.61/46.2206/30.48321.

Based on real electricity generation data, the value of the electricity generation during the monitoring period (from 01/05/2019 to 30/04/2023) is calculated as 425,040.82 MWh.
The chosen monitoring period is from 01/05/2019 to 30/04/2023. The total achieved net emission reduction value for the monitoring period is 273,352 tCO_2e.
The spatial extent of the project boundary includes the project power plant/unit and all power plants/units connected physically to the Ukraine grid system that the project power plant is connected to as per the applied methodology ACM0002, version 21.0. As per this statement the project boundary includes:

- The project activity (Ovid Wind Farm Project)
- Substation that connects the Ovid WFP to the Ukraine grid system
- Ukraine grid system

In the absence of the project activity, the same amount of electricity generated by the Ovid Wind Farm Project would have otherwise been generated by the operation of Ukraine grid-connected power plants and by the addition of new generation sources into the grid (Ukraine grid system is dominated by nuclear and thermal power plants).
The technical part of the project is commissioned. Then, the electrical part has been completed. Thirdly, start-up works are conducted on the object and after this, the object can start its operation. In general terms this is regulated by the Law of Ukraine "On the regulation on town planning activity" and Order of the Cabinet of Ministers of Ukraine on "Issues of putting into operation of completed construction objects"[2].

3.2 Description of the Baseline Scenario

In line with ACM0002, version 21.0, 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 Ukraine.
The Combined Margin Emission Factor has been taken from the UNFCCC CDM IFI grid factors excel sheet as “0.643167971743973 tCO2/MWh”. The grid Emission Factor as same as fixed ex-ante in the registered PDD, version 1.3, dated 26/07/2023.
Based on the verification team’s local and sectoral knowledge, remote audit 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 MR, including references and sources, all the references and documents used are relevant for establishing the baseline scenario and correctly quoted in the MR, all relevant national and sectoral policies/regulations considered are listed in the MR and the identified baseline scenario reasonably represented what would occur in the absence of the proposed project activity.

3.3 Projected Emissions Mitigations

The project emission mitigations, achieved values in monitoring period, has been shown in below table:

[2] Wind turbine commissioning dates are about the commissioning of wind turbines, whether mechanically they work properly or not. It is just a mechanical check. After the wind turbine commissioning, project did not start to generate electricity. Following the wind turbine commissioning, power meters commissioning comes. Power meters commissioning date is 08/04/2019 as it can be seen in Section Section 5.1. After the power meter commissioning, the Ovid WFP started to make trial operation until the end of April 2019. And on 01/05/2019, project officially started to feed the Ukraine grid system. This how it works in Ukraine energy market.

Due to Ukraine War Ovid Wind Farm could not generate electricity from April 2022 to August 2022.

Monitoring Period	Baseline scenario (tCO2e)	Achieved project mitigations (tCO2e)	Estimated leakage (tCO2e)	Achieved net GHG emission mitigations (tCO2e)
01/05/2019 – 31/12/2019	44,701	0	0	44,701
2020	73,259	0	0	73,259
2021	75,097	0	0	75,097
2022	50,686	0	0	50,686
01/01/2023 – 30/04/2023	29,609	0	0	29,609
Total				273,352

4. Validation

There were no Validation Services involved, this section is not applicable.

4.1.1 Validation activity…

Means of verification	
Findings	
Conclusion	

4.1.2 …

Means of verification	
Findings	
Conclusion	

5. Verification

5.1 Verification planning

Task	Performed (Y/N)
Strategic analysis	☒
Materiality thresholds	☒
Test estimates	☐

Assessment of GHG-related activity characteristics	☒
Verification plan	☒
Evidence-gathering plan	☒

5.2 Verification plan

Verification VVB checked all data set (ASCOE records from 01/05/2019 – 30/04/2023) and each day of production is included in these readings. These readings are exact and are the basis for billing. They are recorded and saved automatically by the relevant government authority and there is no base for any option of material information.
Level of materiality is ensured by application of "Guideline on the Application of Materiality in Verifications" version 02. To guarantee this level of assurance all data that is used in the GHG emission reduction calculations have been reviewed without any sampling.

Desk Review	03/08/2023 – 01/11/2023
Remote Site Visit	16/08/2023
The issuance of the 1st Draft Verification Protocol	22/09/2023
The issuance of the 2nd Draft Verification Protocol	19/10/2023
The issuance of the 3rd Draft Verification Protocol	31/10/2023
Closing all CARs and CLs	01/11/2023
The issuance of the 1st Verification Report	16/11/2023
ITR Process	20/11/2023 – 28/11/2023
ITR Approval	28/11/2023

5.3 Evidence Gathering Plan

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

5.4 Activities and Techniques

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

5.5 Review of Documented Information

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

5.6 Interviews

During the verification period, follow-up interviews were executed by the verification team to further analyze the correctness and accurateness of the information provided.
Remote site visit has been done on 16/08/2023 with 14 participant and auditing team. Khalid Mahmood has been attended remotely as a Team Leader, Beyda Altuntaş has been attended remotely as a Trainee Verifier and Zoia Pavlenko has been attended in person on site as a Regional Expert of Re-carbon. During the remote audit, Beyda Altuntaş and Khalid Mahmood have been conducted remote site visit. Zoia Pavlenko has been conducted on site as a Regional Expert for doing face to face interviews with other participants in local language and ensuring the appropriate documentation. While Khalid Mahmood and Beyda Altuntaş participated in the audit remotely, Zoia Pavlenko took part in the field in person as a Regional Expert of Re-carbon. The audit was carried

out remotely for Khalid Mahmood and Beyda Altuntaş due to the Ukrainian War. Remote site visit was in line with in the ICR rules.
The list of individuals who were interviewed during verification process, executed on 16/08/2023 using is given in table below:

ID	Last name	First name	Role	Date	Subject	Team member
1	Marlynink	Yevhem	Electrical Engineer – Ovid LLC	16/08/2023	Remote Site Visit	Khalid Mahmood (Team Leader) Zoia Pavlenko (Regional Expert) Beyda Altuntaş (Trainee Verifier)
2	Kuznetsov	Natoliy	Electrical Engineer – Ovid LLC	16/08/2023	Remote Site Visit	Khalid Mahmood (Team Leader) Zoia Pavlenko (Regional Expert) Beyda Altuntaş (Trainee Verifier)
3	Starush	Artem	Electrical Engineer – Ovid LLC	16/08/2023	Remote Site Visit	Khalid Mahmood (Team Leader) Zoia Pavlenko (Regional Expert) Beyda Altuntaş (Trainee Verifier)
4	Kotykhoroh	Serhiy	Technician – Ovid LLC	16/08/2023	Remote Site Visit	Khalid Mahmood (Team Leader) Zoia Pavlenko (Regional Expert) Beyda Altuntaş (Trainee Verifier)
5	Dağeri	Ergin	Civil Engineer – Güriş	16/08/2023	Remote Site Visit	Khalid Mahmood (Team Leader) Zoia Pavlenko (Regional Expert) Beyda Altuntaş (Trainee Verifier)

6	Yamantürk	Egemen	Manager of Ovid Wind – Ovid LLC	16/08/2023	Remote Site Visit	Khalid Mahmood (Team Leader) Zoia Pavlenko (Regional Expert) Beyda Altuntaş (Trainee Verifier)
7	İncigül	Erdoğan	Consultant – Kilittaşı Mühendislik	16/08/2023	Remote Site Visit	Khalid Mahmood (Team Leader) Zoia Pavlenko (Regional Expert) Beyda Altuntaş (Trainee Verifier)
8	Ersöz	Erdoğan	Consultant – Kilittaşı Mühendislik	16/08/2023	Remote Site Visit	Khalid Mahmood (Team Leader) Zoia Pavlenko (Regional Expert) Beyda Altuntaş (Trainee Verifier)
9	Milko	Ivan	Villager	16/08/2023	Remote Site Visit	Khalid Mahmood (Team Leader) Zoia Pavlenko (Regional Expert) Beyda Altuntaş (Trainee Verifier)
10	Haiduk	N.	Villager	16/08/2023	Remote Site Visit	Khalid Mahmood (Team Leader) Zoia Pavlenko (Regional Expert) Beyda Altuntaş (Trainee Verifier)
11	Kozyr	Vira	Villager	16/08/2023	Remote Site Visit	Khalid Mahmood (Team Leader) Zoia Pavlenko (Regional Expert)

						Beyda Altuntaş (Trainee Verifier)
12	Aprelenko	Klavdia	Villager	16/08/2023	Remote Site Visit	Khalid Mahmood (Team Leader) Zoia Pavlenko (Regional Expert) Beyda Altuntaş (Trainee Verifier)
13	Shevchuk	Olena	Villager	16/08/2023	Remote Site Visit	Khalid Mahmood (Team Leader) Zoia Pavlenko (Regional Expert) Beyda Altuntaş (Trainee Verifier)
14	Pavliuk	I.	Villager	16/08/2023	Remote Site Visit	Khalid Mahmood (Team Leader) Zoia Pavlenko (Regional Expert) Beyda Altuntaş (Trainee Verifier)

5.7 Inspection

The project is fully implemented according to the description presented in the MR and 9 wind turbines were operational during the remote visit. The verification team confirms through the remote 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 MR. Electricity meters were also seen during the remote visit. The project activity is completely operational and the same has been confirmed through remote site visit.
Each wind turbine has an installed capacity of 3.63 MWe (32.67 MWe in total). This information has been checked and confirmed via the provisional acceptance protocols of the wind turbines. The technical specifications of the wind turbines are checked and confirmed by looking at the technical document of the wind turbines. According to registered PDD and previous Validation Report project was fully implemented. All values have been checked from ER Excel Sheet, Generation License, ASCOE records, VAT Payer Documents and other legal stuffs as green tariff approval. Project location has been checked from provided KMZ file and geo-coordinates from registered PDD version 1.3, dated 26/07/2023. Monitoring meters has been checked from Meter Commissioning and Meter Test Documents. Other details of project have been checked from listed evidence documents.
Reviewed evidence documents list in table below:

No.	Title	Version/Date	Provider
1	Monitoring Report	1.0//03/08/2023	Project Owner

2	Monitoring Report	1.1//25/09/2023	Project Owner
3	Monitoring Report	1.2//23/10/2023	Project Owner
4	Monitoring Report	1.3//31/10/2023	Project Owner
5	ER Calculation Excel sheet	1.0//03/08/2023	Project Owner
6	EIA Ecological Expertise Conclusion Document	27/11/2013	Project Owner
7	Ornithology Expert Conclusion Document	2013	Project Owner
8	State Design Expertise Document	20/10/2017	Project Owner
9	Noise Effect Document	2017	Project Owner
10	Shadow Flicker Report	20/05/2019	Project Owner
11	Operation Monitoring Report	06/03/2020	Project Owner
12	Odessa Administration Ecology Department Permission	30/06/2020	Project Owner
13	Ovid Wind LLC Certification	01/05/2017	Project Owner
14	Legal Regulation Documents	13/01/2023	Project Owner
15	Articles of Association	2021	Project Owner
16	VAT Payer Document	01/05/2017	Project Owner
17	Generation License	18/10/2018	Project Owner
18	Green Tariff Approval	12/04/2019	Project Owner
19	System Usage Agreement	2018	Project Owner
20	Construction Permit	2012	Project Owner
21	Turbine Commissioning	-	Project Owner
22	Waste Management Invoices	-	Project Owner
23	Meter Commissioning	08/04/2019	Project Owner
24	Meter Control document	21/02/2020	Project Owner
25	Meter Properties and Passport from ASCOE	27/03/2019	Project Owner
26	Training Records	-	Project Owner
27	Turbine Technical Documents	-	Project Owner
28	KMZ file of Turbine Location	-	Project Owner
29	ASCOE Electricity Reading Records	01/05/2019-30/04/2023	Project Owner

30	Land Use Status from State Registry	27/05/2019	Project Owner
31	Registered PDD	1.3//26/07/2023	Project Owner
32	Validation Report	02//31/07/2023	Project Owner
33	No Double Counting Declaration	08/05/2023	Project Owner

5.8 Conformity

Please see non-conformities for each section in table below.

Criteria	Assessed	No. non-conformities	Resolved
1. Project Description			
1.1 Purpose and General Description of the Project	☒ Y ☐ N	CAR-1, CAR-2	☒ Y ☐ N ☐ N/A
1.2 Project Type and Sectoral Scope	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
1.1 Implementation Status of the Project	☒ Y ☐ N	CL-3	☒ Y ☐ N ☐ N/A
1.2 Project Activities	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
1.3 Deviations from Project Description	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
1.4 Grouped Projects	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
1.5 Project Proponent	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
1.6 Other Parties Involved in the Project	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
2. Crediting			
2.1 Project Start Date	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
2.2 Expected Operational Lifetime of Project Activity	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
2.3 Start Date and Duration of Crediting	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
3. Safeguards			
3.1 No Net Harm	☒ 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	None	☒ Y ☐ N ☐ N/A
3.4 Environmental Impact Assessment (EIA)	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
3.5 Risk Management	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
4. Methodology			
4.1 Reference to the applied Methodology (if applicable)	☒ Y ☐ N ☐ N/A	CAR-3, CL-1	☒ Y ☐ N ☐ N/A
4.2 Deviation from Methodology	☒ Y ☐ N ☐ N/A	None	☒ Y ☐ N ☐ N/A
4.3 Other Information Relating to Methodology Application	☒ Y ☐ N ☐ N/A	None	☒ Y ☐ N ☐ N/A
5. Monitoring			
5.1 Monitoring Plan	☒ Y ☐ N	CAR-4, CL-2	☒ Y ☐ N ☐ N/A
5.2 Data and Parameters remaining constant	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
5.3 Data and Parameters Monitored	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
6. Quantification of GHG Emission Mitigations	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
6.1 Baseline Emissions	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A

6.2 Project Emissions	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
6.3 Leakage	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
6.4 Risk Assessment for Permanence	☒ Y ☐ N ☐ N/A	None	☒ Y ☐ N ☐ N/A
6.5 Net GHG Emission Mitigations	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A
7. Management of Data Quality	☒ Y ☐ N	None	☒ Y ☐ N ☐ N/A

6. Verification Findings

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

- Assessment of the conformity of the actual project activity and its operation with the registered PD, dated 26/07/2010, version 1.3.
- A remote site visit was executed on 16/08/2023 in order to assess whether all physical features of the project activity proposed in the registered PD are in place and that the Project proponent(s) operated the project activity in line with the registered PD.
- Assessment of the compliance of the monitoring plan with the monitoring methodology "ACM0002: Grid-connected electricity generation from renewable sources", version 21.0
- Assessment of the compliance of monitoring with the monitoring plan
- Assessment of data and calculation of greenhouse gas emission reductions
- Issuance of the verification report
- Independent technical review
- Approval of the verification report and request of issuance

The Verification Protocol is used for the assessment of each requirement during the execution of verification activities and is given in Appendix-1 of this verification report.
The Verification Protocol consists of two tables:

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

The usage description of Table-1 in the Verification Protocol is explained in Table 1 below:
Table1: Explanation about Table-1 in Verification Protocol

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

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

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

The Verification Protocol is filled out by the verification team in line with the descriptions above; all CARs, CLs and FARs are listed in a transparent and clear manner.
During the verification process, a Verification Protocol (attached as Appendix 1 to this verification report) was used to submit the findings to the Project proponent(s).
In line with Re Carbon Ltd.'s internal terminology and ICR Standard version 4.0, the team reports the non-conformities in forms of Corrective Action Requests (CARs), Clarification Requests (CLs) and Forward Action Requests (FARs). When and for which type of non-conformities CARs, CLs and FARs are issued is explained below:
The verification team raises a CAR if one of the following occurs:

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

The verification team raises a CL if information is insufficient, not transparent or not clear enough to determine whether the applicable CDM and/or ICR requirements have been met.
The verification team raises a FAR during verification for actions where the monitoring and reporting require attention and/or adjustment for the next verification period.
According to these principles a total of 04 CARs, 03 CLs and 00 FARs were issued, all of which are listed in the Verification Protocol.
The appointment process of the verification team considers the technical area(s), sectoral scope(s), and relevant host country experience, required amongst team members for the verification of the emission reductions, achieved by the project activity in the relevant monitoring period for this verification. The relevant ICR verification and previous ITR experiences are also assessed during the selection of the team members and the Independent Technical Reviewer (ITR), respectively. The verification team and ITR were assigned to this verification activity on 26/07/2023, taking all the above factors into consideration, and as a result of the contract review process.

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

Name	Role	Host Country Experience	Scope Coverage	Technical Expertise (TA 1.2)	Involv.
Khalid MAHMOOD	Team Leader	☒	☒	☒	A, DR, RA, R
Beyda ALTUNTAŞ	Trainee Verifier	☒	☒	☒	A, DR, RA, R

Zoia PAVLENKO	Regional Expert	☒	☒	☒	A, DR, R, SV
Sandeep Kanda	ITR	☒	☒	☒	ITR

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

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

As a closing step of verification, the final documentation including the verification report and its annexes must undergo an internal quality control by Re Carbon Ltd. This quality control is also referred to as the "Independent Technical Review" process.
Further CLs and CARs may be raised by the Independent Technical Reviewer during this review, in order to cover all the points that may need further clarification.
After all CLs and CARs are closed, the verification report is again reviewed and finally approved by the Team Leader, ITR and the Certification Manager, and the request for issuing is submitted to the Project Developer along with the relevant documents.

Forward Action Requests
There is no FAR during the verification process.

Eligibility for Validation Activities
Re Carbon Ltd. holds accreditation for the validation and verification activities in scope 1: "Energy Industries – Renewable/Non-renewable Sources" in which the project activity falls into.

6.1 Project Description

6.1.1 Purpose and General Description of the Project

Means of verification	Desk review, remote site visit, interviews
Findings	CAR-1 and CAR-2 were raised during the verification process, which were successfully closed.
Conclusion	The purpose of the project is to provide renewable electricity to the Ukraine grid through wind energy. The project activity is operated by "Ovid Wind LLC Company" as per the provisional acceptance protocols of the wind turbines. Also, again, as per the provisional acceptance protocols and remote site observations, there are 9 wind turbines with the installed capacity of 3.63 MWe each. The location of the project has been confirmed via "Construction Complete" Document of the project activity. Moreover, the KMZ file of the project has been provided to the VVB. To calculate the average electricity generation of the project, the real data have been provided for the years 2019, 2020, 2021, 2022 and 2023. The IFI Default Grid Factor has been used for the combined margin emission factor.

	The commissioning date of the project activity is 08/04/2019 as per ASCOE commissioning protocol. However, project officially started to supply the Ukraine grid system on 01/05/2019, and received payment. This date has been confirmed via the "Operating on the basis of a License for the Right to carry out business activities in the wholesale supply of Electric Energy" evidence document. 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.

6.1.2 Project Type and Sectoral Scope

Means of verification	Desk review
Findings	No findings were raised in this section.
Conclusion	As per the provisional acceptance protocols of the wind turbines, the total installed capacity of the project activity is 32.67 MWe. Therefore, the project activity is a large-scale project activity. The KMZ file has been reviewed for before 2019 and there was no construction in the project area before the implementation. 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)". In summary, Re Carbon Ltd. confirms that the project type and sectoral scope of the project activity have been stated correctly and supported by the related evidence documents.

6.1.3 Implementation Status of the Project

Means of verification	Desk review, remote site visit, interviews
Findings	No findings were raised in this section.
Conclusion	The commissioning date of the project activity is 08/04/2019 as per ASCOE commissioning protocol. However, project officially started to supply the Ukraine grid system on 01/05/2019, and received payment. This date has been confirmed via the "Operating on the basis of a License for the Right to carry out business activities in the wholesale supply of Electric Energy" evidence document. The crediting period start date is therefore taken as 01/05/2019. Monitoring period is from 01/05/2019 to 30/04/2023 during this period Ovid WFP achieved 273,352 tCO2 emission reductions. According to Ukraine Regulations; First of all technical part of the project is commissioned. Then, the electrical part is completed. Thirdly, start-up works are conducted on the object and after this, the object can start its operation. In general terms this is regulated by the Law of Ukraine "On the regulation on town planning

	activity" and Order of the Cabinet of Ministers of Ukraine on "Issues of putting into operation of completed construction objects". In summary, Re Carbon Ltd. confirms that the implementation status of the project and chronological plan for the project activity has been stated correctly and supported by the relevant evidence documents.

6.1.4 Project Activities

Means of verification	Desk review, remote site visit, interviews
Findings	No findings were raised in this section.
Conclusion	The commissioning date of the project activity is 08/04/2019 as per ASCOE commissioning protocol. However, project officially started to supply the Ukraine grid system on 01/05/2019, and received payment. This date has been confirmed via the "Operating on the basis of a License for the Right to carry out business activities in the wholesale supply of Electric Energy" evidence document. The crediting period start date is therefore taken as 01/05/2019. Monitoring period is from 01/05/2019 to 30/04/2023 during this period Ovid WFP achieved 273,352 tCO2 emission reductions. In this monitoring period Ovid WFP could not generate the electricity from April 2022 to August 2022 because of the Ukraine War. During this 4- month power plant is stopped. The project site is not in the war zone therefore there was no damage on the equipment and after August 2022 Ovid WFP started to generate electricity. In summary, Re Carbon Ltd. confirms that the project activity has been stated correctly and supported by the relevant evidence documents.

6.1.5 Deviations from Project Description

Means of verification	Desk review
Findings	No findings were raised in this section.
Conclusion	There is no deviation from project description. In summary, Re Carbon Ltd. confirms that the deviations from project description of the project activity have been stated correctly and supported by the related evidence documents

6.1.6 Grouped Projects

Means of verification	Desk review
Findings	No findings were raised in this section.
Conclusion	The project is not grouped project.

6.1.7 Project Proponent

Means of verification	Desk review, remote site visit, interviews
Findings	No findings were raised in this section.

Conclusion	The official project owner ("Ovid Wind LLC") 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 Ovid Wind LLC have been interviewed during the remote site visit. In summary, Re Carbon Ltd. confirms that the project proponent has been stated correctly and supported by the related evidence documents.

6.1.8 Other Parties Involved in the Project

Means of verification	Desk Review, interviews
Findings	No findings were raised in this section.
Conclusion	The carbon consultant is "Kilittaşı Mühendislik Müşavirlik İnşaat Tic. Ltd. Şti.". This information has been confirmed by the project owner. In summary, Re Carbon Ltd. confirms that the other company involved in the project has been stated correctly.

6.2 Crediting

6.2.1 Project Start Date

Means of verification	Desk review
Findings	No findings were raised in this section.
Conclusion	The commissioning date of the project activity is 08/04/2019 as per ASCOE commissioning protocol. However, project officially started to supply the Ukraine grid system on 01/05/2019, and received payment. This date has been confirmed via the "Operating on the basis of a License for the Right to carry out business activities in the wholesale supply of Electric Energy" evidence document. Re Carbon Ltd. confirms that the reason of choosing crediting period is suitable.

6.2.2 Expected Operational Lifetime of Project Activity

Means of verification	Desk review, remote site visit, interviews
Findings	No findings were raised in this section.
Conclusion	According to average lifetime of the equipment and Tool 10, average lifetime of the wind turbines and Ovid WFP is 25 years. In summary, Re Carbon Ltd. confirms that the expected operational lifetime of project activity has been stated correctly and supported by the related evidence documents.

6.2.3 Start Date and Duration of Crediting

Means of verification	Desk Review, interviews
Findings	No findings were raised in this section.
Conclusion	The commissioning date of the project activity is 08/04/2019 as per ASCOE commissioning protocol. However, project officially started to supply the Ukraine grid

	system on 01/05/2019, and received payment. This date has been confirmed via the "Operating on the basis of a License for the Right to carry out business activities in the wholesale supply of Electric Energy" evidence document. The crediting period start date is therefore taken as 01/05/2019. The crediting period is from 01/05/2019 to 30/04/2029 and the related monitoring period is from 01/05/2019 to 30/04/2023, both days are included. In summary, Re Carbon Ltd. confirms that start date and duration of crediting period for the project activity has been stated correctly and supported by the relevant evidence documents.

6.3 Safeguards

6.3.1 No Net Harm

Means of verification	Desk Review, interviews
Findings	No findings were raised in this section.
Conclusion	Due to project activity, there is no negative environmental and social-economic impact during the monitoring period in line with Ecological Expertise Conclusion Report which is dated 27/11/2013 as an evidence document. In summary, Re Carbon Ltd. confirms that no net harm for the project activity has been stated correctly and supported by the relevant evidence documents.

6.3.2 Potential Negative Environmental and Socio-Economic Impacts

Means of verification	Desk review, remote site visit, interviews
Findings	No findings were raised in this section.
Conclusion	During this monitoring period; Impact on air quality, aquatic environment, soil environment, waste management, vegetation and animal life, noise effect on environment and socio-economic aspects has been monitored and supported with Ecological Expertise Conclusion Report which is dated 27/11/2013 as an evidence document. There is no important effect on environment and social- economic fields. In summary, Re Carbon Ltd. confirms that potential negative environmental and socio-economic impacts for the project activity has been stated correctly and supported by the relevant evidence documents.

6.3.3 Consultation with Interested Parties and Communications

Means of verification	Desk review, remote site visit, interviews
Findings	No findings were raised in this section.
Conclusion	According to face -to - face interviews conducted by Regional Expert of Re-carbon, Ms. Zoia Pavlenko with ten people in interested parties on 16/08/2023, there is no negative opinion due to project activity. Opinions has been provided in the related section of MR.

	In summary, Re Carbon Ltd. confirms that consultation with interested parties and communications for the project activity has been stated correctly and supported by the relevant evidence documents.

6.3.4 Environmental Impact Assessment (EIA)

Means of verification	Desk Review, interviews
Findings	No findings were raised in this section.
Conclusion	During this monitoring period; Impact on air quality, aquatic environment, soil environment, waste management, vegetation and animal life, noise effect on environment and socio-economic aspects has been monitored and supported with Ecological Expertise Conclusion Report which is dated 27/11/2013 as an evidence document. There is no important effect on environment and social- economic fields. In summary, Re Carbon Ltd. confirms that potential negative environmental and socio-economic impacts for the project activity have been stated correctly and supported by the relevant evidence documents.

6.3.5 Risk Management

Means of verification	Desk Review, interviews
Findings	No findings were raised in this section.
Conclusion	Since Ukraine has been in war since February 2022, a missile attack to the project site may happen. This situation is such a great risk for the project activity. Also, the Ukraine grid system may be affected by some missile attacks as well. Project owner received order from the military to stop the operation of the project. Hence, the project activity did not generate electricity from 26/03/2022 to 30/07/2022. The real data of electricity generation also show that electricity was not generated between these dates. During the remote site visit, all of these situations were discussed as well. The other risks may include operational and technical risks. With routine maintenance activities (e.g. monitoring of operation of the project activity through SCADA system, visual inspections and so on), these risks can be minimized. In summary, Re Carbon Ltd. confirms that potential negative environmental and socio-economic impacts for the project activity have been stated correctly and supported by the relevant evidence documents.

6.4 Methodology

6.4.1 Reference to the applied Methodology (if applicable)

Means of verification	Desk Review
Findings	CAR-3 and CL-1 were raised during the verification process, which were successfully closed.
Conclusion	The applied methodology for the project activity is “ACM0002: Grid connected electricity generation from renewable sources”, Version 21.0 which is include in registered PDD.

	The project activity applies approved consolidated methodology ACM0002: Grid connected electricity generation from renewable sources and the associated tools: • Tool 01: Tool for the demonstration and assessment of additionality, Version 7.0.0 • Tool 07: Tool to calculate the emission factor for an electricity system, Version 07.0 According to ACM0002, version 21.0, the latest approved tools shall be referenced in the PDD like, "Tool to calculate the emission factor for an electricity system" (Version 07.0), "Tool for the demonstration and assessment of additionality" (Version 07.0.0) 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.

6.4.2 Deviation from Methodology

Means of verification	Desk Review
Findings	No findings were raised in this section.
Conclusion	There are no deviations from the ACM0002 methodology applied to the project activity.

6.4.3 Other Information Relating to Methodology Application

Means of verification	Desk Review
Findings	No findings were raised in this section.
Conclusion	ACM0002 methodology is fully applied.

6.5 Monitoring

6.5.1 Monitoring Plan

Means of verification	Desk review, remote site visit, interviews
Findings	CAR-4 and CL-2 were raised during the verification process, which were successfully closed.
Conclusion	At the Oblenergo 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 the possible interventions. Oblenergo applies remote reading to these power meters. The technical details of the meters are as follows:

	Main Meter	Back-up Meter
Brand	ITRON	ITRON
Model	SL7000	SL7000
Serial Number	83898670	83898673

Accuracy Class	0.2S	0.2S
Date of Installation	07/03/2019	07/03/2019

The calibration documents of the meters dated 07/03/2019 has been provided to the VVB. These meters are the main source for measuring the electricity generation of the project activity.

For cross checking of the electricity generation, the internal meters of the project activity are used. There are 2 electricity meters (one is main and other one is back-up) at the project site. The technical details of the electricity meters are as follows:

	Main Meter	Back-up Meter
Brand	ITRON	ITRON
Model	SL7000	SL7000
Serial Number	83883594	83898710
Accuracy Class	0.2S	0.2S
Date of Installation	01/05/2019	01/05/2019

Emission reduction calculations are provided in the associated excel file and as below table:

Vintage period	Ovid WFP annual electricity generation (MWh)	$BEy = EGPJ,y \times EFgrid,CM,y$	Achieved Net Emission Reduction (tCO2)
01/05/2019-31/12/2019	69,506.60	69,506.60 x 0.643167971743973	44,701
2020	113,913.62	113,913.62 x 0.643167971743973	73,259
2021	116,769.38	116,769.38 x 0.643167971743973	75,097
2022	78,811.04	116,769.38 x 0.643167971743973	50,686
01/01/2023-30/04/2023	46,040.19	46,040.19 x 0.643167971743973	29,609
Total			273,352

During monitoring period, the total value of achieved emission reduction has been indicated in line with Excel Sheet.. Also missing months records has been provided to VVB and thus CL-2 was closed successfully. Also, there are 13 employees working at the Ovid WFP. Out of this, 6 employees are from local districts.

In summary, Re Carbon Ltd. confirms that monitoring plan for the project activity have been stated correctly and supported by the relevant evidence documents.

6.5.2 Data and Parameters remaining constant

Means of verification	Desk review, remote site visit, interviews
Findings	No findings were raised in this section.
Conclusion	The grid Emission Factor as same as "0.643167971743973 tCO2/MWh" fixed ex-ante in the registered PDD, version 1.3, dated 26/07/2023. There is no missing information or mistake according to legal contests. Re Carbon confirms that the ex-ante parameter of the project activity has been chosen correctly.

6.5.3 Data and Parameters Monitored

Means of verification	Desk review, remote site visit, interviews
Findings	CAR-4 and CL-2 were raised during the verification process, which were successfully closed.
Conclusion	There was a missing information about meter calibration and test frequency in Data and Parameters Monitored section. The PP has been provided detailed information about both processes according to legal regulations in line with "LG Smart LLC" contract for meter test operation as an evidence document. On the other hand, meter calibration frequency has been indicated as every 6 years according to legal regulations from ASCOE.. In summary, meter test and calibration issues has been explained and evidence document provided to VVB. Also, based on real electricity generation data from ASCOE and ER Excel Sheet, the value of the net electricity generation during the monitoring period (from 01/05/2019 to 30/04/2023) is calculated as 425,040.82 MWh. Due to Ukraine War, there are 4 months in 2022 calculated as 0. For cross check data, the PP has been making contract with the LG Smart LLC annually which runs the ASCOE program for the Ovid WFP. As per this contract, ASCOE program is monitored on a continuous basis, and correcting the ASCOE software in case a bug recognized. This program also allows checking of the power meters data. This is the online system which is seen by the PP and LG Smart LLC. Re Carbon confirms that the monitored parameter of the project activity has been chosen correctly and QA/QC procedures has been explained appropriately.

6.6 Quantification of GHG Emission Mitigations

6.6.1 Baseline Emissions

Means of verification	Desk review
Findings	No findings were raised in this section.
Conclusion	The emission reduction calculation estimations have been done in the MR as per the latest approved version of the methodology ACM0002 version 21.0. The baseline emissions are approved based on the emission coefficient multiplied by the expected net electricity generation, which amounts to 115,428.17 MWh per annum according to registered PDD, version 1.3, dated 26/07/2023.

The IFI Default Grid Factor has been used for the combined margin emission factor (April 2022, v3.2). As per this document, the emission factor is taken as "0.643167971743973 tCO_2/MWh". Therefore,

$$BE_y = EG_{PJ,y} \times EF_{grid,CM,y}$$

Where:

BEy = Baseline emissions in year y (t CO2/yr)
$EGPJ,y$ = Quantity of net electricity generation that is produced and fed into the grid as a result of the implementation of the CDM project activity in year y (MWh/yr)
$EFgrid$,CM,y = Combined margin CO2 emission factor for grid connected power generation in year y calculated using TOOL07 (t CO2/MWh)

BE_y= (115,428.17 MWh/year) x (0.643167971743973 tCO_2/MWh)= 74,239 tCO_2e/year

In the baseline, grid emission factor of Ukraine is taken from the UNFCCC IFI Default Grid Factors, April 2022, v.3.2.

$EFgrid$,CM,y = 0.643167971743973 tCO2/MWh

The grid emission factor ($EFgrid$,CM,y) is fixed ex-ante and will not be updated ex-post.

The total emission reductions from the project are achieved 273,352 tCO2e over the selected 4-year monitoring. The vintage of net emission reduction is as following table:

Year	Achieved Net GHG emission reductions or removals (tCO2)
01/05/2019-31/12/2019	44,701
2020	73,259
2021	75,097
2022	50,686
01/01/2023-30/04/2023	29,609
Total	273,352

The calculations in the ER Calculation Excel sheet have been reproduced by the VVB and the source data (monthly electricity meter readings) are presented by the project owner.

6.6.2 Project Emissions

Means of verification	Desk review
Findings	No findings were raised in this section.
Conclusion	There are no project or leakage emissions associated with wind power projects.

6.6.3 Leakage

Means of verification	Desk review
Findings	No findings were raised in this section.

Conclusion	There are no project or leakage emissions associated with wind power projects.

6.6.4 Risk Assessment for Permanence

Means of verification	Desk review
Findings	No findings were raised in this section.
Conclusion	Since Ukraine has been in war since February 2022, a missile attack to the project site may happen. This situation is such a great risk for the project activity. Also, the Ukraine grid system may be affected by some missile attacks as well. Project owner received order from the military to stop the operation of the project. Hence, the project activity did not generate electricity from 26/03/2022 to 30/07/2022. The real data of electricity generation also show that electricity was not generated between these dates. During the remote site visit, all of these situations were discussed as well. The other risks may include operational and technical risks. With routine maintenance activities (e.g. monitoring of operation of the project activity through SCADA system, visual inspections and so on), these risks can be minimized.

6.6.5 Net GHG Emission Mitigations

Means of verification	Desk review
Findings	No findings were raised in this section.
Conclusion	ACM0002, version 21.0 is followed to calculate the emission reductions of the project activity as follows: During a 4 year monitoring period, the total achieved emission reduction is 273,352 tCO2e.

Monitoring Period	Baseline emissions or removals (tCO_2e)	Project emissions or removals (tCO_2e)	Leakage (tCO_2e)	Net GHG emission mitigations (tCO_2e)	Buffer deter-mination	Credits eligible for activation/ issuance
01/05/2019-31/12/2019	44,701	0	0	44,701	0	44,701
2020	73,259	0	0	73,259	0	73,259
2021	75,097	0	0	75,097	0	75,097
2022	50,686	0	0	50,686	0	50,686
01/01/2023-30/04/2023	29,609	0	0	29,609	0	29,609
Total	273,352	0	0	273,352	0	273,352

6.7 Management of Data Quality

Means of verification	Desk review
Findings	No findings were raised in this section.
Conclusion	At the Oblenergo 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. Oblenergo applies remote reading to these power meters. The technical details of the meters are as follows:

	Main Meter	Back-up Meter
Brand	ITRON	ITRON
Model	SL7000	SL7000
Serial Number	83898670	83898673
Accuracy Class	0.2S	0.2S
Date of Installation	07/03/2019	07/03/2019

The calibration documents of the meters dated 07/03/2019 has been provided to the VVB. These meters are the main source for the electricity generation of the project activity.

For cross checking of the electricity generation, the internal meters of the project activity are used. There are 2 electricity meters (one is main and other one is back-up) at the project site. The technical details of the electricity meters are as follows:

	Main Meter	Back-up Meter
Brand	ITRON	ITRON
Model	SL7000	SL7000
Serial Number	83883594	83898710
Accuracy Class	0.2S	0.2S
Date of Installation	01/05/2019	01/05/2019

7. Independent Review

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

The Independent Technical Review is performed by another Team Leader of Re Carbon Ltd. who was not involved in the verification activities of this specific project activity. When the appointed Team Leader finalizes the Verification Report, the report is sent to the (for this project specifically appointed) Independent Technical Reviewer who reviews not only the verification report itself, but also all supporting documents such as the emission factor calculations, additionality justifications, relevant excel sheets and so on.

Further CLs and CARs may be raised by the Independent Technical Reviewer during this review, in order to cover all the points that may need further clarification.

After all CLs and CARs are closed, the verification report is again reviewed and finally approved by the Team Leader, ITR and the Certification Manager, and the request for registration is submitted to the Project Developer along with the relevant documents.

8. Verification Opinion

Re Carbon Ltd. performed the verification of the "Ovid Wind Farm Project" in "Ukraine" between 01/05/2019 and 30/04/2023. The verification was performed on the basis of UNFCCC criteria for the CDM, ICR and Host Party criteria, as well as criteria given to provide for consistent project operations, monitoring and reporting.

The verification was performed by a verification team consisting of "Khalid Mahmood as the Team Leader, Beyda Altuntaş was Trainee Verifier, Zoia Pavlenko as the Regional 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, CDM Project Standard for project activities version 3.0 and ICR Standard Version 4.0.

Remote site visit has been done on 16/08/2023 with 14 participant and auditing team. Khalid Mahmood has been attended remotely as a Team Leader, Beyda Altuntaş has been attended remotely as a Trainee Verifier and Zoia Pavlenko has been attended in person on site as a Regional Expert of Re-carbon. During the remote audit, Beyda Altuntaş and Khalid Mahmood have been conducted remote site visit. Zoia Pavlenko has been conducted on site as a Regional Expert for doing face to face interviews with other participants in local language and ensuring the appropriate documentation. While Khalid Mahmood and Beyda Altuntaş participated in the audit remotely, Zoia Pavlenko took part in the field in person as a Regional Expert of Re-carbon. The audit was carried out remotely for Khalid Mahmood and Beyda Altuntaş due to the Ukrainian War.

Re Carbon Ltd. hereby confirm that the proposed project activity "Ovid Wind Farm Project" in Ukraine, applied all relevant EB-guidance as the selected baseline and monitoring methodologies and the associated methodological tools have been applied correctly. The total emission reductions from the project are achieved 273,352 tCO_2e over the selected 4-year monitoring. The vintage of net emission reduction is as following table:

Year	Achieved Net GHG emission reductions or removals (tCO2)
01/05/2019-31/12/2019	44,701
2020	73,259
2021	75,097
2022	50,686
01/01/2023-30/04/2023	29,609
Total	273,352

As a result, the verification team assigned by Re Carbon Ltd., concludes that the proposed Project Activity "Ovid Wind Farm Project" in Ukraine, as described in the PDD version 1.3 dated 26/07/2023 and Monitoring Report version 1.3 dated 31/10/2023:

- meets all relevant Host Party criteria
- meets all relevant requirements of the ICR Standard, UNFCCC for CDM project activities [including 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 version 21.0
- its additionality is sufficiently justified in the PDD
- is likely to achieve estimated emission reductions

Therefore, Re Carbon Ltd. requests activation of ICCs in the registry for the validated project activity as an ICR project activity.

Khalid MAHMOOD	Sandeep KANDA	Esin TUNALI
Team Leader	ITR	Certification Manager
28/11/2023	28/11/2023	01/12/2023
		

Appendix

I. Documents reviewed or referenced in the report

No.	Title	Version/Date	Provider
1	Monitoring Report	1.0//03/08/2023	Project Owner
2	Monitoring Report	1.1//25/09/2023	Project Owner
3	Monitoring Report	1.2//23/10/2023	Project Owner
4	Monitoring Report	1.3//31/10/2023	Project Owner
5	ER Calculation Excel sheet	1.0//03/08/2023	Project Owner
6	EIA Ecological Expertise Conclusion Document	27/11/2013	Project Owner
7	Ornithology Expert Conclusion Document	2013	Project Owner
8	State Design Expertise Document	20/10/2017	Project Owner
9	Noise Effect Document	2017	Project Owner
10	Shadow Flicker Report	20/05/2019	Project Owner
11	Operation Monitoring Report	06/03/2020	Project Owner
12	Odessa Administration Ecology Department Permission	30/06/2020	Project Owner
13	Ovid Wind LLC Certification	01/05/2017	Project Owner
14	Legal Regulation Documents	13/01/2023	Project Owner
15	Articles of Association	2021	Project Owner
16	VAT Payer Document	01/05/2017	Project Owner
17	Generation License	18/10/2018	Project Owner
18	Green Tariff Approval	12/04/2019	Project Owner
19	System Usage Agreement	2018	Project Owner
20	Construction Permit	2012	Project Owner
21	Turbine Commissioning	-	Project Owner
22	Waste Management Invoices	-	Project Owner
23	Meter Commissioning	08/04/2019	Project Owner
24	Meter Control document	21/02/2020	Project Owner
25	Meter Properties and Passport from ASCOE	27/03/2019	Project Owner
26	Training Records	-	Project Owner

27	Turbine Technical Documents	-	Project Owner
28	KMZ file of Turbine Location	-	Project Owner
29	ASCOE Electricity Reading Records	01/05/2019-30/04/2023	Project Owner
30	Land Use Status from State Registry	27/05/2019	Project Owner
31	PDD	1.3//26/07/2023	Project Owner
32	Validation Report	02//31/07/2023	Project Owner
33	No Double Counting Declaration	08/05/2023	Project Owner

II. Non-Conformities

Non-conformity ID:	CAR-1	**Reference to criteria:**	CR MR Template V.3.1	**Date:**	06/10/2023
Requirement:	Date of verification shall be in DD/MM/YYYY format				
Observation:	CAR				
Non-conformity:	a) Please clearly indicate the date of verification in the appropriate format. b) The provided numbering of contents on page 3 of the monitoring report is not correct. This is applicable to whole monitoring report.				
Response from project proponent:	a) Verification date is indicated on the cover page. b) Table of content, and the numbering of headlines in the MR report are corrected.				
Referenced documentation:	a) OK, closed (It has been indicated as “25/09/2023”). b) OK, closed (It has been corrected).				
Verifier assessment on corrective actions:					
Status:	Closed				

Non-conformity ID:	CAR-2	**Reference to criteria:**	CR MR Template V.3.1	**Date:**	06/10/2023
Requirement:	The version number of the ICR MR				

Observation:	CAR
Non-conformity:	Please correct the version number of MR.
Response from project proponent:	ICR MR version number is corrected as 3.1
Referenced documentation:	OK, closed (It has been corrected as "v.3.1").
Verifier assessment on corrective actions:	
Status:	Closed

Non-conformity ID:	CAR-3	**Reference to criteria:**	CR MR Template V.3.1	**Date:**	06/11/2023
Requirement:	Methodology(ies) applied and version number				
Observation:	CAR				
Non-conformity:	Please clearly indicate the full name of the applied methodology and version number.				
Response from project proponent:	Throughout the MR report, ACM0002 Version 21.0 is indicated. Version number is added.				
Referenced documentation:	Please clearly indicate the full name of the applied methodology and version number.				
Verifier assessment on corrective actions:	The full name of the ACM0002 is indicated in the MR report. Review 2: The full name of the ACM0002 is wrong indicated in the MR report. Review 3: OK closed (It has been corrected as "ACM0002 Grid-connected electricity generation from renewable sources Version 21.0" throughout the MR.				
Response from project proponent:	ACM0002 is revised as "ACM0002 Grid-connected electricity generation from renewable sources Version 21.0"				
Status:	Closed				

Non-conformity ID:	CAR-4	**Reference to criteria:**	CR MR Template V.3.1	**Date:**	06/11/2023
Requirement:	Do the details include procedures for measuring or otherwise obtaining, recording, compiling and analyzing data and information important for quantifying and reporting GHG emissions and/or removals relevant to the project and baseline scenario, calibration of equipment and documentation of data collected?				
Observation:	CAR				
Non-conformity:	a) Please clearly indicate the calibration frequency of both meters in Section 4.1. of MR. b) Please clearly indicate the type of data and also the origin of them in Section 4.1. of MR. Also, Please clearly explain the data transfer between different systems (i.e., internal systems, purchaser company's system etc.). c) Please clearly indicate the calculation approach, estimation and modelling of the process in Section 4.1. of MR. d) Please indicate the version of applied methodology in Section 4.1. of MR. e) It is written in chapter "Monitoring Plan" that Data parameters to be monitored are provided in Section 10.2 and 10.3 but there is no section 10.2 & 10.3 in the monitoring report.				
Response from project proponent:	a) The following sentence added to the relevant part of the Section 5.1.: "As per this regulation, the calibration frequency for the monitoring equipment is 6 years." *b)* The following sentence added to the relevant part of the Section 5.1.: *Monitoring parameter* $EG_{PJ,y}$ is the monitoring parameter, which is the 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/yr). The source of data is the measurements of the power meters located at the Oblenergo substation. The invoices both in hardcopy and softcopy format which have been sent by the electricity purchasing company, E Guaranteed Buyer company, to the project owner is the proof documents of $EG_{PJ,y}$ data." *c)* Calculation approach is indicated in Section 5.1 under the subtitle of "*Project's emission reduction calculations" and sample calculation is provided for the vintage period of 2020.* d) Version of ACM0002 is added to the Section 5.1. e) Corrected as "Section 5.2 and 5.3."				
Referenced documentation:	a) There is a contradiction between testing and calibration frequency. Please clarify. (…"Section 4.1" was typo error). b) OK, closed (The explanation has been indicated). c) The monitoring period covers more than one year, whereas in the example only one year is given. Please indicate all relevant dates and values in Section 5.1 of MR.				

	d) OK, closed. e) OK, closed.
Verifier assessment on corrective actions:	a) Section 5.1 and Section 5.3 are revised as per the comment. Details information provided on testing. Section 4.1 typo error is corrected as Section 5.1. c). All relevant vintages' ER calculations are indicated in Section 5.1. Review 2: a) OK, closed (The explanation of meter test process has the been indicated in line with relevant evidence document that LC LLC Smart contract with PP in Section 5.1 of MR). c)There is no information row of total values of all vintages in Section 5.1 of MR. Review 3: c)OK, closed (The total value and split values has been indicated in Section 5.1 of MR).
Response from project proponent:	c). Total values of all vintages is indicated in the relevant table in Section 5.1.
Status:	Closed

Non-conformity ID:	CL-1	**Reference to criteria:**	CR MR Template V.3.1	**Date:**	06/10/2023
Requirement:	Any applied methodology or methodological tools to selected methodology refers to.				
Observation:	CL				
Non-conformity:	Please provide the accessible link for applied methodology.				
Response from project proponent:	ACM0002 Rev 21.0 Link is revised in the MR report. Links of the tools are working:				
Referenced documentation:	OK, closed.				
Verifier assessment on					

corrective actions:	
Status:	Closed

Non-conformity ID:	CL-2	**Reference to criteria:**	CR MR Template V.3.1	**Date:**	06/10/2023
Requirement:	Is how the project scenario is additional to relevant statutory requirements in the host country according to ICRs additionality requirements demonstrated?				
Observation:	CL				
Non-conformity:	a) Please provide the relevant evidence document of electricity generation data according to monitoring period dates. b) Please provide the first index protocol.				
Response from project proponent:	a) Missing months March 2023 and April 2023 are provided. b) First index protocols for main and backup power meters at the Ovidiopol substation operated by the Oblenergo is provided (OvidiopolSubstation_Powermeters_Passport-record of ASCOE_27032019.pdf). The power meters at the outlet of the Ovid project site are not subject to the first index protocol as per Ukraine regulations. Here is the response of the project owner engineer: " In 2019 (when commissioning was done) there was requirement to put in ASKUE act the meters at the border of balance ownership (Ovidiopol substation), all meters which are related to generation (35 kV meters) and meter of own needs. But regarding these two meters located at the outlet of the Ovid Wind substation, there is no requirement to put them in ASKUE act. That is why these meters are not in act (we have only acts of sealing for them and passports). Re-Carbon regional representative, Mrs. Zoia, took photos of acts of sealing and passports. In very simple words: 110 kV meters at Ovid project site substation are used if smth will happen to meters installed at Ovidiopol substation (main meters are at Ovidiopol substation). And there is no any regulations to have two 110 kV meters at Ovid Wind substation to be in AKSUE act."				
Referenced documentation:	a) OK, closed. b) OK, closed (It has been provided and explained).				
Verifier assessment on corrective actions:					
Status:	Closed				

Non-conformity ID:	CL-3	**Reference to criteria:**	CR MR Template V.3.1	**Date:**	24/11/2023
Requirement:	ITR				
Observation:	CL				
Non-conformity:	There is contradiction between commissioning date of turbines and project start date. Why the crediting period start date is considered as 01/05/2019 whereas all the wind turbines got commissioned prior to this date.				
Response from project proponent:	Wind turbine commissioning dates are about the commissioning of wind turbines, whether mechanically they work properly or not. It is just a mechanical check. After the wind turbine commissioning, project did not start to generate electricity. Following the wind turbine commissioning, power meters commisioning comes. Power meters commissioning date is 08/04/2019 as it can be seen in Section Section 5.1. After the power meter commissioning, the Ovid WFP started to make trial operation untill the end of April 2019. And on 01/05/2019, project officially started to feed the Ukraine grid system. This how it works in Ukraine energy market.				
Referenced documentation:					
Verifier assessment on corrective actions:	OK, closed.				
Status:	Closed				

III. Verification Protocol

Question	Reference	Means of validation*	Findings, comments, references and document sources	Draft opinion	Final opinion
Cover Page and General Requirements					
1. Are the following provided at the cover page in a tabular format?	ICR MR Template V.3.1	DR	Please see below.		
1.1. ID of the project?	ICR MR Template V.3.1	DR	This is available as “112”.	OK	OK
1.2. Name of the project?	ICR MR Template V.3.1	DR	This is available as “Ovid Wind Farm Project”.	OK	OK
1.3. Project Proponent that prepared the document?	ICR MR Template V.3.1	DR	This is available as “Ovid Wind LLC”.	OK	OK
1.4. Name, title, email and telephone number of the Representative?	ICR MR Template V.3.1	DR	This is available as “Egemen Yamantürk, Director, eyamanturk@guris.com.tr, +90 533 7318086”.	OK	OK
1.5. Statement by the Project Proponent The Project Proponent states he is responsible for the preparation and fair presentation of the Monitoring Report and all accompanying documentation provided.	ICR MR Template V.3.1	DR	This is available.	OK	OK
1.6. Date of submission in DD/MM/YYYY format?	ICR MR Template V.3.1	DR	This is available as “03/08/2023”.	OK	OK

Question	Reference	Means of validation*	Findings, comments, references and document sources	Draft opinion	Final opinion
1.7. Date of verification in DD/MM/YYYY format?	ICR MR Template V.3.1	DR	a) Please clearly indicate the date of verification in the appropriate format. b) The provided numbering of contents on page 3 of the monitoring report is not correct. This is applicable to whole monitoring report.	CAR-1	OK
1.8. Version number of the ICR MR?	ICR MR Template V.3.1	DR	Please correct the version number of MR.	CAR-2	OK
1.9. Name, title, telephone, email of the individual who has prepared the Monitoring Report	ICR MR Template V.3.1	DR	This is available as "Incigül Polat Erdogan, Environmental Engineer, +90 538 327 5657,iperdogan@gmail.com".	OK	OK
1.10. Monitoring Period in DD/MM/YYYY to DD/MM/YYYY?	ICR MR Template V.3.1	DR	This is available as "01/05/2019-30/04/2023".	OK	OK
1.11. Sectoral Scope of Project activity?	ICR MR Template V.3.1	DR	This is available as "1: Energy industries (renewable - / non-renewable sources)".	OK	OK
1.12. If it is a Grouped project or not	ICR MR Template V.3.1	DR	This is available as with "No" answer.	OK	OK
1.13. Other requirements applied, if any	ICR MR Template V.3.1	DR	N/A	OK	OK
1.14. Methodology(ies) applied and version number	ICR MR Template V.3.1	DR	Please clearly indicate the full name of the applied methodology and version number.	CAR-3	OK

Question	Reference	Means of validation*	Findings, comments, references and document sources	Draft opinion	Final opinion
1.15. Selection of Type (CDR, avoidance, hybrid)	ICR MR Template V.3.1	DR	This is available as a selection of "Avoidance".	OK	OK
1.16. MRV cycle:	ICR MR Template V.3.1	DR	This is available.	OK	OK
1.17. Other certifications:	ICR MR Template V.3.1	DR	N/A	OK	OK
1.18. Estimated annual average GHG emission mitigation (t CO2-e)	ICR MR Template V.3.1	DR	This is available as "74,239 tCO_2".	OK	OK
1.19. Contact info indicating "Full address, telephone, email, website"	ICR MR Template V.3.1	DR	This is available.	OK	OK
1. PROJECT DESCRIPTION					
1.1. Purpose and General Description of the Project					
1.1.1. Does section 1.1 of the ICR MR include a summary and a general description of the project in order to provide an understanding of the nature of the project, including:	ICR MR Template V.3.1	DR	Please see below.		
1.1.1.1. Project title	ICR MR Template V.3.1	DR	This is available as the "Ovid Wind Farm Project".	OK	OK

Question	Reference	Means of validation*	Findings, comments, references and document sources	Draft opinion	Final opinion
1.1.1.2. Conditions prior to initiation of the project	ICR MR Template V.3.1	DR	This is available.	OK	OK
1.1.1.3. Technologies/measures to be utilized and/or implemented	ICR MR Template V.3.1	DR	This is available.	OK	OK
1.1.1.4. Project boundary	ICR MR Template V.3.1	DR	This is available.	OK	OK
1.1.1.5. Baseline scenario	ICR MR Template V.3.1	DR	This is available.	OK	OK
1.1.1.6. Estimates of annual average and total GHG emission mitigation	ICR MR Template V.3.1	DR	This is available as “74,239 tCO_2”.	OK	OK
1.2. Project Type and Sectoral Scope					
1.2.1. Is this a grouped project?	ICR MR Template V.3.1	DR	This is available as with “No” answer.	OK	OK
1.2.2. Is the information on the type of project provided?	ICR MR Template V.3.1	DR	This is available.	OK	OK
1.2.3. Is the sectoral scope of the project provided?	ICR MR Template V.3.1	DR	This is available as “Sectoral Scope 1: Energy industries (renewable - / non-renewable sources)”.	OK	OK

Question	Reference	Means of validation*	Findings, comments, references and document sources	Draft opinion	Final opinion
1.3. Implementation Status of the Project					
1.3.1. Does section 1.3 of the ICR MR describe the status of the implementation of the project in order to provide an understanding of the nature of the project, including:	ICR MR Template V.3.1	DR	Please see below.		
1.3.1.1. Start date of project implementation and run-time for the operation of the implemented activity	ICR MR Template V.3.1	DR	This is available as “25 year”.	OK	OK
1.3.1.2. Baseline period	ICR MR Template V.3.1	DR	This is available as “04/05/2019”.	OK	OK
1.3.1.3. A summary description of the implementation status of measures involved in the project	ICR MR Template V.3.1	DR	This is available.	OK	OK
1.3.1.4. The total GHG emission mitigations generated in this monitoring period.	ICR MR Template V.3.1	DR	This is available as “273,352 tCO2”.	OK	OK
1.4. Project Activities					
1.4.1. Does 1.4 of the ICR MR describe the implementation status of the project activity, including operational information during the monitoring period and events that	ICR MR Template V.3.1	DR	This is available.	OK	OK

Question		Reference	Means of validation*	Findings, comments, references and document sources	Draft opinion	Final opinion
	may impact GHG emission mitigations and monitoring?					
1.5.	**Deviations from Project Description**					
1.5.1.	Does 1.5 of the ICR MR describe deviations from the project description and supporting documents applied during the Monitoring Period and justify reasons for the deviations?	ICR MR Template V.3.1	DR	N/A	OK	OK
1.5.2.	Has the PP discussed whether deviations will impact the applicability of applied methodology, additionality, or baseline scenario in Section 1.5 of the ICR MR?	ICR MR Template V.3.1	DR	N/A	OK	OK
1.6.	**Grouped Projects**					
1.6.1.	Are "relevant information about new instances of the project activity(s)" provided and how each new instance of the project activity(s) meets the eligibility criteria set out in the project description demonstrated and justified by the PP?	ICR MR Template V.3.1	DR	N/A	OK	OK
1.7.	**Project Proponent(s)**					

Question	Reference	Means of validation*	Findings, comments, references and document sources	Draft opinion	Final opinion
1.7.1. Are the parties involved in the project listed in the tabular format in Section 1.7 of the ICR MR in detail including the following:	ICR MR Template V.3.1	DR	Please see below.		
1.7.1.1. Organization Name	ICR MR Template V.3.1	DR	This is available as “Ovid Wind LLC”.	OK	OK
1.7.1.2. Role in the project	ICR MR Template V.3.1	DR	This is available as “Project owner”.	OK	OK
1.7.1.3. Contact person	ICR MR Template V.3.1	DR	This is available as “Egemen Yamantürk”.	OK	OK
1.7.1.4. Title	ICR MR Template V.3.1	DR	This is available as “Director”.	OK	OK
1.7.1.5. Address including “Street name, zip, city, region, country, weblink to a physical address”	ICR MR Template V.3.1	DR	This is available as “1 Dalnytska Street, Ovidiopol district, Odesa region, 67801, Ukraine”.	OK	OK
1.7.1.6. Telephone number with country code	ICR MR Template V.3.1	DR	This is available as “+90 533 731 8086”.	OK	OK
1.7.1.7. Email	ICR MR Template V.3.1	DR	This is available as “eyamanturk@guris.com.tr”.	OK	OK
1.8. Other Parties Involved in the Project					

Question	Reference	Means of validation*	Findings, comments, references and document sources	Draft opinion	Final opinion
1.8.1. If other parties involved in the project, are they amended in the tabular format in Section 1.7 of the ICR MR in detail including the following:	ICR MR Template V.3.1	DR	Please see below.		
1.8.1.1. Organization Name	ICR MR Template V.3.1	DR	This is available as "Kilittaşı Mühendislik Müşavirlik İnşaat Tic. Ltd. Şti.Ovid Wind LLC".	OK	OK
1.8.1.2. Contact person	ICR MR Template V.3.1	DR	This is available as "İncigül Polat Erdogan".	OK	OK
1.8.1.3. Title	ICR MR Template V.3.1	DR	This is available as "Environmental Engineer, MSc.".	OK	OK
1.8.1.4. Address including "Street name, zip, city, region, country, weblink to a physical address"	ICR MR Template V.3.1	DR	This is available as "Ceyhun Atuf Kansu Caddesi No.176/15 Cankaya/Ankara 06520 Türkiye".	OK	OK
1.8.1.5. Telephone number with country code	ICR MR Template V.3.1	DR	This is available as "+90 538 327 56 57".	OK	OK
1.8.1.6. Email	ICR MR Template V.3.1	DR	This is available as "iperdogan@gmail.com".	OK	OK
2. CREDITING					
2.1. Project Start Date					

Question	Reference	Means of validation*	Findings, comments, references and document sources	Draft opinion	Final opinion
2.1.1. Is the start date of the project activity stated in the format of dd/mm/yyyy?	ICR MR Template V.3.1	DR	This is available as “01/05/2019”.	OK	OK
2.2. Expected Operational Lifetime of Project Activity					
2.2.1. Is the expected operational lifetime of the project indicated in years and months?	ICR MR Template V.3.1	DR	This is available as “25 years”.	OK	OK
2.3. Start Date and Duration of Crediting					
2.3.1. Is the “Start date and end date of the project's crediting period/number of crediting years.” indicated?	ICR MR Template V.3.1	DR	This is available as “01/05/2019-30/04/2029”.	OK	OK
3. SAFEGUARDS					
3.1. No Net Harm					
3.1.1. Has evidence for compliance with required safeguards for ongoing processes that were not finalized during the project validation been provided by the PP? This may result from ongoing processes relevant to the operation, such as public consultation and responses received, how the project has addressed received	ICR MR Template V.3.1	DR	Necessary evidence documents have been provided.	OK	OK

Question	Reference	Means of validation*	Findings, comments, references and document sources	Draft opinion	Final opinion
comments, and the project's approach to minimizing or avoiding any environmental or social impacts.					
3.1.2. Have any changes to the details within the safeguards identified and determined at the time of validation been included in Section 3.1 of the ICR MR?	ICR MR Template V.3.1	DR	This is available.	OK	OK
3.2. Potential Negative Environmental and Socio-Economic Impacts					
3.2.1. Has any potential negative environmental and socio-economic impacts due to the implementation of the project and the steps taken to mitigate them been identified in the ICR MR?	ICR MR Template V.3.1	DR	This is available.	OK	OK
3.3. Consultation with Interested Parties and Communications					
3.3.1. Are interested parties to the project identified and consultation conducted with them prior to validation described including the following?	ICR MR Template V.3.1	DR	This is available.	OK	OK
3.3.1.1. details on actions taken to appropriately engage interested parties and solicit comments (e.g., dates of	ICR MR Template V.3.1	DR	This is available.	OK	OK

Question	Reference	Means of validation*	Findings, comments, references and document sources	Draft opinion	Final opinion
announcements or meetings, periods during which input was sought) and					
3.3.1.2. documentation of outcomes,	ICR MR Template V.3.1	DR	This is available.	OK	OK
3.3.1.3. action taken due to comments,	ICR MR Template V.3.1	DR	This is available.	OK	OK
3.3.1.4. the process of continuous communication,	ICR MR Template V.3.1	DR	This is available.	OK	OK
3.3.1.5. relevant statutory requirements	ICR MR Template V.3.1	DR	This is available.	OK	OK
3.4. Environmental Impact Assessment (EIA)					
3.4.1. Have the PPs summarized any environmental impact assessments concerning the project activity?	ICR MR Template V.3.1	DR	This is available.	OK	OK
3.4.2. Are any measures and steps taken to meet the outcome of the assessment described?	ICR MR Template V.3.1	DR	N/A	OK	OK
3.4.3. Are supporting information provided by the PP(s) in Appendix.	ICR MR Template V.3.1	DR	This has been provided.	OK	OK

Question	Reference	Means of validation*	Findings, comments, references and document sources	Draft opinion	Final opinion
3.5. Risk Management					
3.5.1. Are the following provided in Section 3.5 of the ICR MR regarding Risk Management:	ICR MR Template V.3.1	DR	Please see below.		
3.5.1.1. Information on measures,	ICR MR Template V.3.1	DR	This is available.	OK	OK
3.5.1.2. adverse effects on ecosystems or local communities,	ICR MR Template V.3.1	DR	This is available.	OK	OK
3.5.1.3. risk management processes, and	ICR MR Template V.3.1	DR	This is available.	OK	OK
3.5.1.4. methods to mitigate risk.	ICR MR Template V.3.1	DR	This is available.	OK	OK
4. METHODOLOGY					
4.1. Reference to the Applied Methodology (if applicable)					
4.1.1. Is the Titles, versions, and reference numbers of the following indicated:	ICR MR Template V.3.1	DR	Please see below.		
4.1.1.1. Any applied methodology or methodological tools to	ICR MR Template V.3.1	DR	Please provide the accessible link for applied methodology.	CL-1	OK

Question	Reference	Means of validation*	Findings, comments, references and document sources	Draft opinion	Final opinion
selected methodology refers to.					
4.2. Deviation from Methodology					
4.2.1. If there are deviations from the methodology during the monitoring period, has the PP(s) described and justified the methodology deviations?	ICR MR Template V.3.1	DR	N/A (There are no deviations from applied methodology).	OK	OK
4.2.2. If there are deviations from the methodology, has the evidence been provided on the following?	ICR MR Template V.3.1	DR	N/A (There are no deviations from applied methodology).	OK	OK
4.2.2.1. How deviation will not negatively impact the conservativeness of the quantification of GHG emission mitigations.	ICR MR Template V.3.1	DR	N/A (There are no deviations from applied methodology).	OK	OK
4.3. Other Information Relating to Methodology Application					
4.3.1. Is other relevant information regarding the application of a methodology, e.g., any revisions or ongoing development of a methodology provided by the PP(s)?	ICR MR Template V.3.1	DR	N/A (ACM0002 methodology is fully applied).	OK	OK
5. Monitoring					

Question	Reference	Means of validation*	Findings, comments, references and document sources	Draft opinion	Final opinion
5.1. Monitoring Plan					
5.1.1. Has a description of the monitoring plan for the project activity been provided under Section 5 of the ICR MR giving detail?	ICR MR Template V.3.1	DR	This is available.	OK	OK
5.1.2. Do the details include procedures for measuring or otherwise obtaining, recording, compiling and analyzing data and information important for quantifying and reporting GHG emissions and/or removals relevant to the project and baseline scenario, calibration of equipment and documentation of data collected?	ICR MR Template V.3.1	DR	a) Please clearly indicate the calibration frequency of both meters in Section 4.1. of MR. b) Please clearly indicate the type of data and also origin of them in Section 4.1. of MR. c) Please clearly indicate the calculation approach, estimation and modelling of the process in Section 4.1. of MR. d) Please indicate the version of applied methodology in Section 4.1. of MR. e) It is written in chapter "Monitoring Plan" that Data parameters to be monitored are provided in Section 10.2 and 10.3 but there is no section 10.2 & 10.3 in the monitoring report.	CAR-4	OK
5.1.3. The monitoring plan and, as applicable, information on parameters in section 5.2 shall include:	ICR MR Template V.3.1	DR	Please see CAR-4.	CAR-4	OK
5.1.3.1. purpose of monitoring;	ICR MR Template V.3.1	DR	Please see CAR-4.	CAR-4	OK
5.1.3.2. list of parameters being measured and monitored;	ICR MR Template V.3.1	DR	Please see CAR-4.	CAR-4	OK

Question	Reference	Means of validation*	Findings, comments, references and document sources	Draft opinion	Final opinion
5.1.3.3. types of data and information to be reported, including units of measurement;	ICR MR Template V.3.1	DR	Please see CAR-4.	CAR-4	OK
5.1.3.4. the origin of the data;	ICR MR Template V.3.1	DR	Please see CAR-4.	CAR-4	OK
5.1.3.5. monitoring methodologies, including estimation, modeling, measurement, calculation approaches and uncertainty;	ICR MR Template V.3.1	DR	Please see CAR-4.	CAR-4	OK
5.1.3.6. monitoring frequency, considering the needs of intended users;	ICR MR Template V.3.1	DR	Please see CAR-4.	CAR-4	OK
5.1.3.7. monitoring roles and responsibilities, including procedures for authorizing, approving and documenting changes to recorded data;	ICR MR Template V.3.1	DR	Please see CAR-4.	CAR-4	OK
5.1.3.8. controls that include internal data check for input, transformation and output, and procedures for corrective actions;	ICR MR Template V.3.1	DR	Please see CAR-4.	CAR-4	OK
5.2. Data and Parameters remaining constant					

Question	Reference	Means of validation*	Findings, comments, references and document sources	Draft opinion	Final opinion
5.2.1. Has the PP completed the table for data and parameters which remain constant throughout the project crediting period?	ICR MR Template V.3.1	DR	This is available.	OK	OK
5.2.1.1. In the data/parameter tables provided under Section 5.2 of the ICR MR, for each data has the name of the data/parameters given in accordance with the registered ICR PDD and the applied approved methodology?	ICR MR Template V.3.1	DR	This is available.	OK	OK
5.2.1.2. In the data/parameter tables provided under Section 5.2 of the ICR MR, for each data has the unit of the data/parameters given in accordance with the registered ICR PDD and the applied approved methodology?	ICR MR Template V.3.1	DR	This is available.	OK	OK
5.2.1.3. In the data/parameter tables provided under Section 5.2 of the ICR MR, for each data has the description of the data/parameters given in accordance with the registered ICR PDD and the applied approved methodology?	ICR MR Template V.3.1	DR	This is available.	OK	OK
5.2.1.4. In the data/parameter tables provided under Section 5.2 of the ICR MR, for each data has the origin (source) of the	ICR MR Template V.3.1	DR	This is available.	OK	OK

Question	Reference	Means of validation*	Findings, comments, references and document sources	Draft opinion	Final opinion
data/parameters given in accordance with the registered ICR PDD and the applied approved methodology?					
5.2.1.5. In the data/parameter tables provided under Section 5.2 of the ICR MR, for each data has the values applied of the data/parameters given in accordance with the registered ICR PDD and the applied approved methodology?	ICR MR Template V.3.1	DR	This is available.	OK	OK
5.2.1.6. In the data/parameter tables provided under Section 5.2 of the ICR MR, for each data has the justification of choice of data or description of measurement methods and procedures applied been provided?	ICR MR Template V.3.1	DR	This is available.	OK	OK
5.2.1.7. In the data/parameter tables provided under Section 5.2 of the ICR MR, for each data has it been indicated what the data/parameters are used for (baseline/project /leakage emission calculations)?	ICR MR Template V.3.1	DR	This is available.	OK	OK
5.3. Data and Parameters Monitored					

Question	Reference	Means of validation*	Findings, comments, references and document sources	Draft opinion	Final opinion
5.3.1. Is how the project scenario is additional to relevant statutory requirements in the host country according to ICRs additionality requirements demonstrated?	ICR MR Template V.3.1	DR	a) Please provide the relevant evidence document of electricity generation data according to monitoring period dates. b) Please provide the first index protocol.	CL-2	OK
5.3.1.1. In the data/parameter tables provided under section 5.3 of the ICR MR, for each data has the name of the data/parameters given in accordance with the registered ICR PDD and the applied approved methodology?	ICR MR Template V.3.1	DR	This is available.	OK	OK
5.3.1.2. In the data/parameter tables provided under section 5.3 of the ICR MR, for each data has the unit of the data/parameters given in accordance with the registered ICR PDD and the applied approved methodology?	ICR MR Template V.3.1	DR	This is available.	OK	OK
5.3.1.3. In the data/parameter tables provided under section 5.3 of the ICR MR, for each data has it been described how the data is monitored?	ICR MR Template V.3.1	DR	This is available.	OK	OK
5.3.1.4. In the data/parameter tables provided under section 5.3 of the ICR MR, for each data has the origin (source) of data been	ICR MR Template V.3.1	DR	This is available.	OK	OK

Question	Reference	Means of validation*	Findings, comments, references and document sources	Draft opinion	Final opinion
indicated (like logbooks, daily records, surveys, etc.)?					
5.3.1.5. In the data/parameter tables provided under section 5.3 of the ICR MR, for each data has the estimated values of the monitoring parameter been indicated?	ICR MR Template V.3.1	DR	This is available.	OK	OK
5.3.1.6. If applicable, has the calculation method, including any equations, used to establish the data/parameter been given?	ICR MR Template V.3.1	DR	This is available.	OK	OK
5.3.1.7. In the data/parameter tables provided under section 5.3 of the ICR MR, for each data has the measurement and recording frequency been indicated?	ICR MR Template V.3.1	DR	This is available.	OK	OK
5.3.1.8. In the data/parameter tables provided under section 5.3 of the ICR MR, for each data has the purpose of data been given?	ICR MR Template V.3.1	DR	This is available.	OK	OK
5.3.1.9. In the data/parameter tables provided under section 5.3 of the ICR MR, for each data has the QA/QC procedures being applied been given?	ICR MR Template V.3.1	DR	This is available.	OK	OK

Question	Reference	Means of validation*	Findings, comments, references and document sources	Draft opinion	Final opinion
6. QUANTIFICATION OF GHG EMISSION MITIGATIONS					
1- Has a transparent ex-post calculation of baseline emissions, project emissions (or, where applicable, direct calculation of emission reductions), and leakage emissions during the project's monitoring period and net GHG emission mitigations, applying all relevant equations established or provided in applied methodology provided?		DR	Please see CL-2.	CL-2	OK
2- Is how each equation is applied to enable the reader to reproduce the calculation documented?		DR	This is available.	OK	OK
3- Where relevant, are additional background information and/or data in Appendix, including relevant spreadsheets provided?		DR	This is available.	OK	OK
6.1. Baseline emissions					
6.1.1. Have all the formulas used to calculate the baseline emissions been provided under section 6.1 of the MR?	ICR MR Template V.3.1	DR	This is available.	OK	OK
6.1.2. Have sample calculations for all formulas used and calculation of baseline emissions or baseline net GHG removals by sinks, applying actual values been provided under section 6.1 of the MR?	ICR MR Template V.3.1	DR	This is available.	OK	OK

Question	Reference	Means of validation*	Findings, comments, references and document sources	Draft opinion	Final opinion
6.1.3. Have all electronic spread sheets to present full calculations in the monitoring report been attached?	ICR MR Template V.3.1	DR	This is available.	OK	OK
6.1.4. Have any assumptions used in baseline emission calculations been justified?	ICR MR Template V.3.1 CDM validation and verification standard for project activities §373d	DR	This is available.	OK	OK
6.1.5. If applicable, are the appropriate emission factors used for the baseline emission calculations in line with the good guidance practices? (e.g., IPCC default values and other reference values)	ICR MR Template V.3.1 CDM validation and verification standard for project activities §373d	DR	This is available.	OK	OK
6.2. Project Emissions					

Question	Reference	Means of validation*	Findings, comments, references and document sources	Draft opinion	Final opinion
6.2.1. Have all the formulas used to calculate the baseline emissions been provided under section 6.2 of the MR?	ICR MR Template V.3.1	DR	This is available.	OK	OK
6.2.2. Have sample calculations for all formulas used and calculation of baseline emissions or baseline net GHG removals by sinks, applying actual values been provided under section 6.2 of the MR?	ICR MR Template V.3.1	DR	This is available.	OK	OK
6.2.3. Have all electronic spread sheets to present full calculations in the monitoring report been attached?	ICR MR Template V.3.1 CDM Project Standard for Project activities §72	DR	This is available.	OK	OK
6.2.4. Have any assumptions used in baseline emission calculations been justified?	ICR MR Template V.3.1 CDM validation and verification standard for project	DR	This is available.	OK	OK

Question	Reference	Means of validation*	Findings, comments, references and document sources	Draft opinion	Final opinion
	activities §373d				
6.2.5. If applicable, are the appropriate emission factors used for the baseline emission calculations in line with the good guidance practices? (e.g., IPCC default values and other reference values)	ICR PDD Template V.3.1 CDM validation and verification standard for project activities §373e	DR	This is available.	OK	OK
6.3. Leakage					
6.3.1. Have all the formulae used to calculate the leakage emissions been provided under section 6.3 of the ICR MR?	ICR MR Template V.3.1	DR	N/A (Leakage is taken as zero).	OK	OK
6.3.2. Have sample calculations for all formulae used and calculation of leakage emissions, applying actual values been provided under section 6.3 of the ICR MR?	ICR MR Template V.3.1	DR	N/A (Leakage is taken as zero).	OK	OK

Question	Reference	Means of validation*	Findings, comments, references and document sources	Draft opinion	Final opinion
6.3.3. Has all electronic spreadsheets to present full calculations in the monitoring report been attached?	ICR MR Template V.3.1	DR	N/A (Leakage is taken as zero).	OK	OK
6.3.4. Have any assumptions used in project emission calculations been justified?	ICR MR Template V.3.1	DR	N/A (Leakage is taken as zero).	OK	OK
6.3.5. If applicable, are the appropriate emission factors used for the project emission calculations in line with the good guidance practices? (e.g., IPCC default values and other reference values)	ICR MR Template V.3.1 CDM validation and verification standard for project activities §373e	DR	N/A (Leakage is taken as zero).	OK	OK
6.4. Risk Assessment for Permanence					
6.4.1. If the Project proponent is implementing AFOLU projects, has the PP provided a summary of the risk assessment for permanance and explained how this risk has been mitigated and buffer determination?	ICR MR Template V.3.1	DR	N/A	OK	OK
6.4.2. Has the permanence risk assessment been applied separately to the project	ICR Requirement	DR	This is available.	OK	OK

Question	Reference	Means of validation*	Findings, comments, references and document sources	Draft opinion	Final opinion
activity unless applied methodologies refer to the same tools?	Document V.4.0				
6.4.3. Does the project proponents use a relevant current good practice guidance risk assessment tool or ISO 31000 to assess the non-permanence risk?	ICR Requirement Document V.4.0	DR	This is available.	OK	OK
6.5. Net GHG Emission Mitigations					
6.5.1. Have the total baseline emissions or removals during the monitoring period been given under section 6.5 of the MR in tabular format?	ICR MR Template V.3.1	DR	This is available.	OK	OK
6.5.2. Has the total project emissions or removals during the monitoring period been given under section 6.5 of the MR in tabular format?	ICR MR Template V.3.1	DR	This is available.	OK	OK
6.5.3. Has the total leakage emissions during the monitoring period been given under section 6.5 of the MR in tabular format?	ICR MR Template V.3.1	DR	This is available.	OK	OK
6.5.4. Have the total Net GHG emission mitigations during the monitoring period been given under section 6.5 of the MR in tabular format?	ICR MR Template V.3.1	DR	This is available.	OK	OK

Question	Reference	Means of validation*	Findings, comments, references and document sources	Draft opinion	Final opinion
6.5.5. Have the Buffer Determination during the monitoring period been given under section 6.5 of the MR in tabular format?	ICR MR Template V.3.1	DR	This is available.	OK	OK
6.5.6. Have the Credits eligible for activation/ issuance during the monitoring period been given under section 6.5 of the MR in tabular format?	ICR MR Template V.3.1	DR	This is available.	OK	OK
6.5.7. If there is material information that can cause overestimation of emission reductions or removals of the project activity, is this equal to or higher than one of the following?	CDM validation and verification standard for project activities §326	DR	N/A	OK	OK
6.5.7.1. 0.5 per cent of the emission reductions or removals for project activities achieving a total emission reduction or removal of equal to or more than 500,000 tons of carbon dioxide equivalent per year?	CDM validation and verification standard for project activities §326a	DR	N/A	OK	OK
6.5.7.2. 1 per cent of the emission reductions or removals for project activities achieving a total emission reduction or removal between 300,000 and 500,000	CDM validation and verification standard	DR	N/A	OK	OK

Question	Reference	Means of validation*	Findings, comments, references and document sources	Draft opinion	Final opinion
tons of carbon dioxide equivalent per year?	for project activities §326b				
6.5.7.3. 2 per cent of the emission reductions or removals for large-scale project activities achieving a total emission reduction or removal of 300,000 tons of carbon dioxide equivalent per year or less?	CDM validation and verification standard for project activities §326c	DR	N/A	OK	OK
6.5.7.4. 10 per cent of the emission reductions or removals for the microscale project activities?	CDM validation and verification standard for project activities §326e	DR	N/A	OK	OK
6.5.7.5. 5 per cent of the emission reductions or removals for small-scale project activities other than project activities covered under 5.4.5.4 above?	CDM validation and verification standard for project activities §326d	DR	N/A	OK	OK

Question	Reference	Means of validation*	Findings, comments, references and document sources	Draft opinion	Final opinion
7. MANAGEMENT OF DATA QUALITY					
7.1. Has the PP ensured that data and information are kept in a secure and retrievable manner?	ICR MR Template V.3.1	DR	This is available.	OK	OK
7.2. Has the project owner implemented measures to prevent data loss?	ICR MR Template V.3.1	DR	This is available.	OK	OK
7.3. Has the project proponent established and implemented quality management procedures to manage data and information?	ICR Requirement Document V.4.0	DR	This is available.	OK	OK
7.4. Are the procedures for authorizing, approving, and documenting changes to recorded data; any controls for internal data check for input, transformation and output, and procedures for corrective actions; and location and retention of stored data and information on transfers of data between different forms of systems or documentation described?	ICR MR Template V.3.1 ICR Requirement Document V.4.0	DR	This is available.	OK	OK
7.5. Is a summary how the quality management procedures established in the project design description, to manage data and information that are relevant to the project and baseline scenario, have been followed provided?	ICR MR Template V.3.1	DR	This is available.	OK	OK

Question	Reference	Means of validation*	Findings, comments, references and document sources	Draft opinion	Final opinion
7.6. Is an explanation of how the results from the uncertainty assessment have been taken into account throughout the project's operations included?	ICR MR Template V.3.1	DR	N/A	OK	OK
7.7. Is the location and retention of stored data and data management that includes a procedure for transfers of data between different forms of systems or documentation included?	ICR MR Template V.3.1	DR	Please see CAR-4.	CAR-4	OK