Project Verification Report

2021

COVER PAGE

Project Verification Report Form (VR)

BASIC INFORMATION	
Name of approved UCR Project Verifier / Reference No.	Enviance Services Private Limited
Type of Accreditation	☐ CDM or other GHG Accreditation ☒ ISO 14065 Accreditation
Approved UCR Scopes and GHG Sectoral scopes for Project Verification	01 Energy industries (Renewable/Non-Renewable Sources)
Validity of UCR approval of Verifier	30/09/2027
Completion date of this VR	20/08/2025
Title of the project activity	5.5 MW Bundled Wind Power Project in Gujarat, India
Project reference no. (as provided by UCR Program)	UCR 451
Name of Entity requesting verification service (can be Project Owners themselves or any Entity having authorization of Project Owners, example aggregator.)	Advait Greenergy Private Limited
Contact details of the representative of the Entity, requesting verification service (Focal Point assigned for all communications)	Name: Ms. Avantika Gupta Email ID – avantika.gupta@advaitgroup.co.in
Country where project is located	India
Applied methodologies (approved methodologies by UCR Standard used)	AMS-I.D., Grid connected renewable electricity generation, Version 18.0
GHG Sectoral scopes linked to the applied methodologies	01 Energy industries (Renewable/Non-Renewable Sources)
Project Verification Criteria: Mandatory requirements to be assessed	☒ UCR Standard ☒ Applicable Approved

	Methodology ☒ Applicable Legal requirements /rules of host country ☒ Eligibility of the Project Type ☒ Start date of the Project activity ☒ Meet applicability conditions in the applied methodology ☒ Credible Baseline ☒ Do No Harm Test ☒ Emission Reduction calculations ☒ Monitoring Report ☒ No GHG Double Counting ☐ Others (please mention below)
Project Verification Criteria: Optional requirements to be assessed	☒ Environmental Safeguards Standard and do-no-harm criteria ☒ Social Safeguards Standard do-no-harm criteria
Project Verifier's Confirmation: The *UCR Project Verifier* has verified the UCR project activity and therefore confirms the following:	The UCR Project Verifier Enviance Services Private Limited, certifies the following with respect to the UCR Project Activity 5.5 MW Bundled Wind Power Project in Gujarat, India ☒ The Project Owner has correctly described the Project Activity in the Project Concept Note version 1.2 (dated 31/07/2025) including the applicability of the approved methodology *AMS-I.D., Grid connected renewable electricity generation, Version 18.0* and meets the methodology applicability conditions and has achieved the estimated GHG emission

	reductions, complies with the monitoring methodology and has calculated emission reductions estimates correctly and conservatively. ☒ The Project Activity is likely to generate GHG emission reductions amounting to the estimated 10,943 tCO_{2e} annually, as indicated in the PCN, which are additional to the reductions that are likely to occur in absence of the Project Activity and complies with all applicable UCR rules, including ISO 14064-2 and ISO 14064-3. ☒ The Project Activity is not likely to cause any net-harm to the environment and/or society ☒ The Project Activity complies with all the applicable UCR rules[1] and therefore recommends UCR Program to register the Project activity with above mentioned labels.
Project Verification Report, reference number and date of approval	Verification Report UCR Reference number: 451 Date of approval: 22/08/2025
Name of the authorised personnel of UCR Project Verifier and his/her signature with date	Vidhya Muralikrishna

1https://a23e347601d72166dcd6-16da518ed3035d35cf0439f1cdf449c9.ssl.cf2.rackcdn.com//Documents/UCRtermsandconditionsMay2025Ver11_230525172325112351.pdf

	 Quality Manager Date: 22/08/2025

PROJECT VERIFICATION REPORT

Executive summary

The project activity is titled- “5.5 MW Bundled Wind Power Project in Gujarat, India”.
It is a wind-power Project which is spread across Villages – Nani Sindholi and Bada & Panchetiya, Teh. – Abdasa and Mandvi, District – Kutch, State – Gujarat, India. The project activity is a renewable power generation initiative involving the installation and operation of 4 Wind Turbine Generators (WTGs) having capacity 1x1.5 MW, 1x1.5 MW, and 2x1.25 MW each manufactured and supplied by Suzlon Energy with aggregated installed capacity of 5.5 MW in Kutch district, Gujarat, India. This project has been developed and promoted by M/s. Panoli Intermediates (India) Pvt. Ltd. and M/s. Kutch Chemical Industries Limited to generate clean energy and reduce greenhouse gas (GHG) emissions.
The project involves the supply, erection, commissioning, and operation of these machines, managed by Suzlon Energy, which serves as the equipment supplier and Operation and Maintenance contractor.
The wind farm generates approximately 37,303.691 MWh of clean electricity in the current monitoring period. The generated power is wheeled through the Indian grid (formerly known as the NEWNE grid) to the manufacturing facility of the project proponent (PP) in Gujarat for captive consumption, in accordance with the wheeling agreement signed between Gujarat Energy Transmission Corporation Limited (GETCO) and the PP.
The expected operational lifetime of the project is for 20 years. Addressing the energy demand-supply gap in Gujarat and supporting the region’s sustainable growth.
The first WEC under the project activity was commissioned on 14/02/2008 and the last WEC under the project activity was commissioned on 29/09/2008.The project has been operational since the earliest commissioning date.
This project activity was not registered in any other registries prior to its registration in UCR. PP seeks verification under UCR from 01/01/2013 onwards, i.e., crediting period for UCR starts from 01/01/2013. Hence, there is no double counting for said projects.

Commissioning dates of the project activity are mentioned in the table below:

Project Developer	Capacity of WTG	Commissioning Date	Location
M/s. Panoli Intermediates (India) Pvt. Ltd.	1x1.5 MW	14-Feb-08	Village: Nani Sindholi Taluka: Abdasa District: Kutch State: Gujarat Country: India
M/s. Kutch Chemical Industries Limited	1x1.5 MW	14-Feb-08	Village: Raparghad Taluka: Abdasa District: Kutch State: Gujarat Country: India

M/s. Kutch Chemical Industries Limited	2x1.25 MW	29-Sep-08	Village: Bada & Panchetiya Taluka: Mandvi District: Kutch State: Gujarat Country: India

Geo Co-ordinates of the project activity are mentioned in the table below:

Project Developer	M/s. Panoli Intermediates (India) Pvt Ltd.	M/s. Kutch Chemical Industries Limited	M/s. Kutch Chemical Industries Limited	
Capacity	1x1.5 MW	1x1.5 MW	1x1.25 MW	1x1.25 MW
WTG Location No.	M-523	M-438	B-01	B-480
District	Kutch	Kutch	Kutch	Kutch
Village	Nani Sindholi	Raparghad	Bada	Panchetiya
Taluka	Abdasa	Abdasa	Mandvi	Mandvi
State	Gujarat	Gujarat	Gujarat	Gujarat
Country	India	India	India	India
Pin Code	370655	370655	370475	370475
Latitude	23.10626° N	23.0853° N	22.88445° N	22.86983° N
Longitude	68.80805° E	68.79203° E	69.15537° E	69.18707° E
Survey No.	63	141	526p	174/2

Proposed wind power project has evolved as a result of the policies of Government of India and Government of Gujarat, which encourages energy development from renewable sources. These policies have given fresh impetus to wind power generation.

The Project Activity is a greenfield wind project and the generated electricity is wheeled from the Indian Grid to the Project Proponent for captive consumption. Addressing the energy demand-supply gap in Gujarat and supporting the region's sustainable growth. The wheeling agreement signed between Gujarat Energy Transmission Corporation Limited (GETCO) and the PP. The project activity involves 4 numbers wind energy converters (WECs) of Suzlon make (2x1.25 and 1x1.5 MW) with internal electrical lines connecting the project activity with local evacuation facility. These wind turbines convert wind energy into electricity using synchronous generators, which are manufactured by Suzlon and is spread across villages of Gujarat in Kutch district.
The project activity involves the installation and operation of four Wind Turbine Generators (WTGs) manufactured and supplied by Suzlon Energy, with a total installed capacity of 5.5 MW in Gujarat, India. Each WTG is connected to a Central Monitoring Station (CMS) via a high-speed WLAN modem or fiber optic cable, enabling real-time status monitoring with an intuitive Graphical User Interface (GUI). This system allows remote tracking and management of turbine performance, ensuring efficient operation.
The project also incorporates a Supervisory Control & Data Acquisition (SCADA) system, which provides a graphical representation of operational data, long-term data storage, and historical

analysis. It facilitates access to daily generation reports and power curve monitoring while enabling both real-time and offline troubleshooting with advanced analytical tools.
Plant using advanced vacuum impregnation technology for better insulation and durability. The turbines have rotor blades, a nacelle with the generator and control systems, a tower, and a concrete foundation. The electricity generated is fed into the Indian grid through transformers and wheeled back for the captive use. Without this project, the same amount of electricity would come from fossil fuel-based power plants, which is the baseline scenario. This renewable energy project reduces emissions and supports local manufacturing through technology transfer.

As per DPR plant load factor is of 30%. The project being a renewable energy generation activity, leads to reduction in fossil fuel dominated electricity generation from the Indian grid.

The core objective of this project activity is to displace an equivalent amount of electricity which would have otherwise been generated by fossil fuel dominant electricity grid. The estimated lifetime of the project activity is considered as 20 years for wind technology. In the Pre- project scenario the entire electricity, consumed by the customers or delivered to the grid by, would have otherwise been generated by the operation of grid-connected power plants and by the addition of new generation sources.

This project generates 5.5 MW power which wheeled back to the Project Proponent through the Indian Grid system. The applied technology is one of the most environment friendly technologies available as the operation of the wind power plant does not emit any GHGs or any other harmful gases unlike the operation of conventional power plant. The project activity has used the reliable and proven technology to ensure that an environmentally safe and sound technology has been implemented.

The main component of this project activity is wind turbine which consists of components like main tower, blades, nacelle, hub, main shaft, gear box, bearing and housing, brake and generator. The generation of power from wind turbines is a clean technology as there is no fossil fuel-fired or no GHG gases are emitted during the process. Thus, project activity leads to a reduction the GHG emissions as it displaces power from fossil fuel-based electricity generation in the regional grid. Since the project activity generates electricity through wind energy, it will not cause any negative impact on the environment and thereby contributes to climate change mitigation efforts.

The project activity also contributes to SDG goals 7 and 13.

The first crediting period of the project activity in UCR is 05 years, 08 months, 14 days in which total estimated electricity generation is 13,599.12 MWh and the total GHG emission reduction estimated is 10,943 tCO_2e annually.
The electricity generation for the current monitoring period is 37,303.691 MWh and total GHG emission reduction is 32,708 tCO_2e.

Scope of Verification

The scope of the services for the project is to perform Project Verification of concerned Project Activity. The scope of verification is to assess the claims and assumptions made in the Project Concept Note (PCN) and Monitoring Report (MR) against the UCR criteria, including but not limited to, UCR program verification guidance document, UCR Standard, UCR Program Manual, and related rules and guidelines established under Program process.

Verification Process and Methodology

The verification process was undertaken by a competent verification team and involved the following,

- Desk review of documents and evidence submitted in context of the reference rules and guidelines issued by UCR,
- Undertaking/conducting site visit/remote audit, interview or interactions with the representative of the project owners/representatives,
- Reporting audit findings with respect to clarifications and non-conformities and the closure of the findings, as appropriate and preparing a draft verification opinion based on the auditing findings and conclusions
- Finalization of the verification opinion (this report)

Desk/Document review

A detailed desk review of the PCN, MR, Methodology and all other associated documentation and references took place in advance of the site visit, and additional documents that were not available for the desk review were requested for review during the site visit. Additional information can be required to complete the verification, which may be obtained from other public and reliable sources or through telephone and face to face interviews with key stakeholders (including the project developers and where necessary, government and NGO representatives in the host country).

A list of all documents reviewed or referred to in the course of this verification is included in Appendix 3 below.

Follow up interviews/site visit

The verifier conducted remote audit and had requested for site photographs, short videos. A remote interview was conducted with the project owners and stakeholders.

Conclusion

Based on the work performed, the verifier concludes that in the project activity “5.5 MW Bundled Wind Power Project in Gujarat, India”, the information and data presented in the MR version 1.2 dated 31/07/2025 is in line with the Project Concept Note Version 1.2 dated 31/07/2025 and meets all relevant requirements of the UCR for UCR project activities. The UCR project activity

correctly applies the methodology “AMS-I.D., Grid connected renewable electricity generation”, Version – 18.0” leading to result in real, measurable and long-term emission reductions achieved for the current monitoring period.

For the current monitoring period, verified emission reductions achieved by the project activity were as below;

Start date of monitoring period	17/04/2019
End date of monitoring period	31/12/2024
Emission reductions achieved	32,708 tCO_2 eq

Project Verification team, technical reviewer and approver

Project Verification team

No.	Role	Last name	First name	Affiliation (e.g. name of central or other office of UCR Project Verifier or outsourced entity)	Involvement in		
					Doc review	Off-Site inspection	Interviews
1.	Team Leader	Singh	Ritu	Enviance Services Private Limited	Yes	Yes	Yes
2.	Validator-Verifier/Technical Expert	Jain	Vipul	Enviance Services Private Limited	Yes	Yes	Yes
3.	Validator-Verifier Trainee/Technical Expert Trainee	Mahajan	Swati	Enviance Services Private Limited	Yes	Yes	Yes
4.	Validator-Verifier Trainee	Shastri	Prakhar	Enviance Services Private Limited	Yes	Yes	Yes

Technical reviewer and approver of the Project Verification report

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of UCR Project Verifier or outsourced entity)
1.	Technical reviewer	Contracted	-	Mr. Vijayanand	Enviance Services Private Limited
2.	Approver	Internal	Krishna	Vidhya Murali	Enviance Services Private Limited

Means of Project Verification

Desk/document review

A detailed desk review of the PCN, MR, methodology and all other associated documentation and references took place in advance of the remote audit, and additional documents that were not available for the desk review were requested for review during the remote audit. Additional information can be required to complete the verification, which may be obtained from other public and reliable sources or through telephone and face-to face interviews with key stakeholders (including the project developers and where necessary, Government and NGO representatives in the host country).

A list of all documents reviewed or referred to in the course of this verification is included in Appendix 3 below.

Off-site inspection

Date of off-site inspection: 21/04/2025			
No.	**Activity performed Off-Site**	**Site location**	**Date**
1.	a) An assessment of the implementation and operation of the project activity as per the PCN and UCR requirements b) Verification of the project design, as documented is sound and reasonable, and meets the identified criteria of UCR Standard Requirements and associated guidance c) Assessment to conformance with the certification criteria as laid out in the UCR Standards; d) Evaluation of the conformance with the certification scope, including the GHG project and baseline scenarios, additionality; GHG sources, sinks, and reservoirs; and the physical infrastructure, activities, technologies and processes of the GHG project to the requirements of the UCR; e) Evaluation of the calculation of GHG emissions, including the correctness and transparency of formulae and factors used; assumptions related to estimating GHG emission reductions; and uncertainties; and determination whether the project could reasonably be expected to achieve the estimated GHG reduction/removals. f) Review of information flows for generating, aggregating and reporting of the parameters to be monitored	Village – Nani Sindholi and Bada & Panchetiya, Teh. – Abdasa and Mandvi District – Kutch, State – Gujarat, India.	21/04/2025

	g) To confirm that the operational and data collection procedures can be implemented in accordance with the Monitoring Plan h) Cross-check of information provided in the submitted documents and data from other sources available at site i) Review of calculations and assumptions made in determining the GHG data and estimated ERs, and an identification of QA/QC procedures in place to prevent, or identify and correct, any errors or omissions in the reported monitoring parameters Interviews of local Stakeholders		

Interviews

No.	Interview			Date	Subject
	Last name	First name	Affiliation		
1.	-	Jitesh	Site Incharge – Changadai Site	21/04/2025	Project Implementation, Monitoring plan, Project Boundary, Eligibility criteria, Host country requirements, Emission reduction calculations Project implementation, monitoring, Local stakeholder consultation
2.	-	Vishwanath	Site Incharge – Bada & Panchetiya Site		
3.	-	Vijay	Site Incharge – Nani Sindhodi Site		
4.	Marathe	Dhruv	Advait Greenergy Private Limited		
5.	Vyas	Anshul			
6.	-	Jitesh	Local Stakeholders		
7.		Vishwanath			
8.	Pal	Vijay			
9.	Patel	Dipak			
10.	Jadhav	Tanaji			

Sampling approach

Not Applicable.

Clarification request (CLs), corrective action request (CARs) and forward action request (FARs) raised

Areas of Project Verification findings	No. of CL	No. of CAR	No. of FAR
Green House Gas (GHG)			
Identification and Eligibility of project type	-	-	-
General description of project activity	02		-
Application and selection of methodologies and standardized baselines	-	-	-
- Application of methodologies and standardized baselines	-	-	-
- Deviation from methodology and/or methodological tool	-	-	-
- Clarification on applicability of methodology, tool and/or standardized baseline	02	01	-
- Project boundary, sources and GHGs	-	-	-
- Baseline scenario	-	-	-
- Estimation of emission reductions or net anthropogenic removals	01	05	-
- Monitoring Report	-	-	-
Start date, crediting period and duration	-	-	-
Environmental impacts	-	-	-
Project Owner- Identification and communication	01	-	-
Others (please specify)	-	01	-
Total	**06**	**07**	-

Project Verification findings

Identification and eligibility of project type

Means of Project Verification	The project has an installation of a 5.5 MW (1x1.5 MW, 1x1.5 MW, and 2x1.25 MW) wind power capacity and hence it qualifies as a small-scale project. This is confirmed based on the commissioning certificates and technical specifications. Since the project is a small-scale project, it has applied approved CDM large scale methodology AMS-I.D., Grid connected renewable electricity generation", Version – 18.0. The Project owner has used valid MR form available at the UCR website for the preparation of MR for the current project activity. The project has prepared MR in line with UCR guidance and requirements.
Findings	No findings raised.
Conclusion	The UCR-approved format is used for description and the project meets the requirement of the UCR verification standard and UCR project standard. UCR project communication agreement was submitted to the verifier and the same has been verified. Methodology referenced and applied appropriately describing the project type. The eligibility of the project aggregator is verified using the UCR communication agreement, project correctly applies the verification standard, UCR project standard, and UCR regulations. The project activity is overall meeting the requirements of the UCR Verification standard and UCR project standard.

General description of project activity

Means of Project Verification

The project activity involves the operation of a 5.5 MW (1x1.5 MW, 1x1.5 MW, and 2x1.25 MW) of small-scale wind power project and its commissioning date and power evacuation at the grid were verified through the commissioning certificate of the project. The wheeling agreement confirms the companies/entities involved in the agreement for captive use of electricity from the 5.5 MW (Villages – Nani Sindholi and Bada & Panchetiya, Teh. – Abdasa and Mandvi District – Kutch, State – Gujarat, India.) project.

Assessment team conducted documentation review of the PCN against the UCR program verification standard version 2.0 and UCR CoU Standard (project eligibility criteria) version 7.0 and the UCR-PCN-FORM Version 1.0.

By checking the supporting documents, it is confirmed that the project is a greenfield wind power project, the project is located in Villages – Nani Sindholi and Bada & Panchetiya, Teh. – Abdasa and Mandvi District – Kutch, State – Gujarat, India. The approximate geo-coordinates of the project locations are mentioned below.

Details of Latitude &Longitude for the project site: -

Project Developer	M/s. Panoli Intermediates (India) Pvt Ltd.	M/s. Kutch Chemical Industries Limited	M/s. Kutch Chemical Industries Limited	
Capacity	1x1.5 MW	1x1.5 MW	1x1.25 MW	1x1.25 MW
WTG Location No.	M-523	M-438	B-01	B-480
District	Kutch	Kutch	Kutch	Kutch
Village	Nani Sindholi	Raparghad	Bada	Panchetiya
Taluka	Abdasa	Abdasa	Mandvi	Mandvi
State	Gujarat	Gujarat	Gujarat	Gujarat
Country	India	India	India	India
Pin Code	370655	370655	370475	370475
Latitude	23.10626° N	23.0853° N	22.88445° N	22.86983° N
Longitude	68.80805° E	68.79203° E	69.15537° E	69.18707° E
Survey No.	63	141	526p	174/2

Assessment team performed an offsite inspection of project and confirmed that the location described in the PCN are accurate.

The Project is a wind power project, to utilize wind energy to generate zero carbon emission electricity which is mainly dominated by fossil fuel power output. The project includes integrated power transmission mechanism, high performance rotor blades, dual speed asynchronous generator, microprocessor based fully automatic control system with user friendly operation and central monitoring system. Quality, Safety and Health plan for construction, installation, commissioning and

	Operation & Maintenance. Microprocessor controlled high efficiency soft start. Active Yaw gear drives incorporating hydraulic yaw brakes.
Findings	CL 01 and CL 03 were raised and closed successfully. More information presented in the appendix below.
Conclusion	The description of the project activity is verified to be true based on the review of PCN, MR, Commissioning Certificate and power purchase agreement.

Application and selection of methodologies and standardized baselines

(.a.i) Application of methodology and standardized baselines

Means of Project Verification	The project has taken the reference of CDM methodology AMS-I.D., Grid connected renewable electricity generation, Version 18.0. CDM website is referred to check the latest version of the methodology. For the applicability mentioned in the PCN and MR, technical Specification, and commissioning certificate.
Findings	No findings raised.
Conclusion	The methodology applied is appropriately meeting the requirements of UCR and its standardized baseline. The methodology version is correct and valid. The referenced methodology is applicable to project activity.

(.a.ii) Clarification on applicability of methodology, tool and/or standardized baseline

Means of Project Verification	The documents reviewed are CDM methodology AMS-I.D., Grid connected renewable electricity generation, Version 18.0, UCR Program standard, and UCR Verification Standard.
Findings	CL 04, CL 06 and CAR 01 were raised and closed successfully. More information presented in the appendix below.
Conclusion	The verification team confirms that all the applicability criteria set by the applied CDM methodology and its eligible tools are met. The relevant information against those criteria is also included in the PCN Ver. 1.2 and MR Ver.1.2. The selected CDM methodology for the project activity is applicable.

(.a.iii) Project boundary, sources and GHGs

Means of Project Verification	Project owner has considered project boundary as per applicable methodology AMS-I.D., Grid connected renewable electricity generation, Version 18.0, “The spatial extent of the project boundary includes the project power plant and all power plants connected physically to the electricity system that the project power plant is connected to.” Review of PCN and MR confirms that project sites and Indian electricity grid system is considered as a project boundary which is appropriate.
Findings	No findings raised
Conclusion	The project boundary is correctly defined in the PCN and MR.

	GHGsources are correctly identified and reported. The project meets the requirements of UCR project standard, Verification standard andmethodology requirements for a boundary, GHG sources.

(.a.iv) Baseline scenario

Means of Project Verification	As per the approved consolidated methodology AMS–I.D., Grid connected renewable electricity generation, Version 18, if the project activity is the installation of a new grid-connected renewable power plant/ unit, the baseline scenario is the following: "The baseline scenario is that the 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 into the grid". Remote audit conducted and document review showed that in absence of the project activity, the generated electricity would have been supplied by the Indian grid which is dominated by fossil fuel fired plants.
Findings	No findings raised.
Conclusion	The approved baseline methodology has been correctly applied to identify a realistic and credible baseline scenario, and the identified baseline scenario most reasonably represents what would occur in the absence of the proposed UCR project activity. All the assumption and data used by the project participants are listed in the PCN and/or supporting documents. All documentation relevant for establishing the baseline scenario are correctly quoted and interpreted inthe PCN. Assumptions and data used in the identification of the baseline scenario are justified appropriately, supported by evidence and can be deemed reasonable.

(.a.v) Estimation of emission reductions or net anthropogenic removal

Means of Project Verification	The project verification team checked whether the equations and parameters used to calculate GHG emission reductions or net anthropogenic GHG removals for PCN and MR are in accordance with applied methodology. Project verification team checked section B.5 and C.5.1 of the PCN & MR respectively to confirm whether all formulae to calculate baseline emissions, project emission and leakage have been applied in line with the underlying methodology. The emission reduction calculation has been carried out as per the CDM methodology AMS–I.D., Grid connected renewable electricity generation, Version 18 As per the CDM approved AMS–I.D., Grid connected renewable electricity generation, Version 18 paragraph 22, Baseline emissions include only CO_2 emissions from electricity generation in power plants that are displaced due to the project activity. The methodology assumes that all project electricity generation above baseline levels would have been generated by existing grid-connected power plants and the addition of new grid-connected power plants. The baseline emissions are to be calculated as follows:

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

Where;

BE_y	=	Baseline Emissions in year y (t CO_2)
$EG_{PJ,y}$	=	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)
$EF_{grid,y}$	=	CO_2 emission factor of grid electricity for the given year y.

A "grid emission factor" refers to a CO_2 emission factor (tCO_2/MWh) which will be associated with each unit of electricity provided by an electricity system. The UCR recommends an emission factor of 0.9 tCO_2/MWh for the 2013-2023 years as a fairly conservative estimate for Indian projects not previously verified under any GHG program. Also, for the vintage 2021, the combined margin emission factor calculated from CEA database in India results into higher emission than the default value. Hence, the same emission factor has been considered to calculate the emission reduction under conservative approach.[2]

Similarly, for the year 2024, a grid emission factor of 0.757 tCO2/MWh is to be applied. These conservative factors are used to calculate emission reductions.
In order to facilitate adoption of authentic baseline emissions data and in keeping with the principle of "conservativeness," all UCR Indian RE projects shall use the new conservative grid emission factor of 0.757 tCO2/MWh in their emission reduction calculations for the 2024 vintage year. https://medium.com/@UniversalCarbonRegistry/ucr-cou-standard-update-2024-vintage-ucr-indian-grid-emission-factor-announced-ddb790cdc603

Project emissions:
As per paragraph 39 of AMS–I.D., Grid connected renewable electricity generation, Version 18, only emission associated with the fossil fuel combustion, emission from operation of geo-thermal power plants due to release of non-condensable gases, emission from water reservoir of Hydro should be accounted for the project emission. Since the project activity is a wind power project, project emission for renewable energy plant is nil.

Thus, **PE_y =0**.

Leakage Emissions:
As per paragraph 42 of AMS–I.D., Grid connected renewable electricity generation, Version 18, 'If the energy generating equipment is transferred from another activity, leakage is to be considered'. In the project activity, there is no transfer of energy generating equipment and therefore the leakage from the project activity is considered as zero.

Hence, **LE_y= 0**.

Emission reductions:

[2] https://a23e347601d72166dcd6-16da518ed3035d35cf0439f1cdf449c9.ssl.cf2.rackcdn.com//Documents/UCRStandardAug2024updatedVer7_020824191534797526.pdf

As per paragraph 43 of AMS–I.D., Grid connected renewable electricity generation, Version 18. emission reduction is estimated as difference between the baseline emission and project emission after factoring into leakage.

Thus, $ER_y = BE_y – PE_y – LE_y$

Where:

ERy = Emission reductions in year y (t CO2)
BEy = Baseline Emissions in year y (t CO2)
PEy = Project emissions in year y (t CO2)
LEy = Leakage emissions in year y (t CO2)

Therefore, $ER_y = BE_y$

The earliest commissioning date of the Project is 14/02/2008 when the first installation of the wind turbine was done and the last commissioning date is 29/09/2008. The start date of the crediting period under UCR is considered from 17/04/2019.

For the ease of the calculation, duration of the crediting period in UCR is started from 17/04/2019 to 31/12/2024.

The estimated emission reductions are 10,943 CoUs/yr (10,943 tCO2eq/yr)

Year	Generation	Baseline Emissions	Project Emissions	Leakage Emissions	Emission Reductions
	(MWh)	(tCO_2e)	(tCO_2e)	(tCO_2e)	(tCO_2e)
2019	10,256.40	9,230	0	0	9,230
2020	14,454.00	13,008	0	0	13,008
2021	14,454.00	13,008	0	0	13,008
2022	14,454.00	13,008	0	0	13,008
2023	14,454.00	13,008	0	0	13,008
2024	14,454.00	10,941	0	0	10,941
2025	14,454.00	10,941	0	0	10,941
2026	14,454.00	10,941	0	0	10,941
2027	14,454.00	10,941	0	0	10,941
2028	14,454.00	10,941	0	0	10,941

The actual emission reduction achieved during the first CoU's period (17/04/2019 to 31/12/2024) as per the Project Activity:

Actual Total baseline emission reductions (BEy)= 32,708 CoUs (32,708 tCO2eq)

Year	Baseline Emissions	Project Emissions	Leakage Emissions	Emission Reduction
	(tCO_2e)	(tCO_2e)	(tCO_2e)	(tCO_2e)
2019	5,811	0	0	5,811
2020	6,008	0	0	6,008
2021	7,059	0	0	7,059
2022	5,546	0	0	5,546

	2023 | 3,872 | 0 | 0 | 3,872 2024 | 4,412 | 0 | 0 | 4,412
Findings	CL 02, CAR 02, CAR 03, CAR 04, CAR 05 and CAR 06 were raised and closed successfully. More information presented in the appendix below.
Conclusion	In summary, the calculation of emission reductions was correctly demonstrated by the PP according to the methodology AMS-I.D., Grid connected renewable electricity generation, Version 18.0. It is confirmed by the assessment team that: (a) All assumptions made for estimating GHG are listed in the PCN; (b) All documentation used by the project participants as the basis for assumptions and source of data is correctly quoted and interpreted in the PCN (c) All values used in the PCN including GWPs are considered reasonable in the context of the proposed UCR project activity; (d) The methodologies and, where applicable, the standardized baselines and the other methodological regulatory documents have been applied correctly to calculate baseline, project and leakage GHG emissions, as well as GHG emission reductions; (e) All estimates of the baseline GHG emissions can be replicated using the data and parameter values provided in the PCN;

(.a.vi) Monitoring Report

Means of Project Verification

Parameters determined- Ex-ante

The following parameters are determined ex-ante and verified by the verification team:

The baseline emission factor ($EF_{grid, y}$) of the project is reported to be determined ex-ante and would remain fixed for the crediting period. A "grid emission factor" refers to a CO_2 emission factor (tCO2/MWh) which will be associated with each unit of electricity provided by an electricity system. The UCR recommends an emission factor of 0.9 tCO_2/MWh for the 2013-2023 years as a fairly conservative estimate for Indian projects not previously verified under any GHG program. Also, for the vintage 2021, the combined margin emission factor calculated from CEA database in India results into higher emission than the default value. Similarly, for the year 2024, a grid emission factor of 0.757 tCO2/MWh is to be applied. These conservative factors are used to calculate emission reductions.

In order to facilitate adoption of authentic baseline emissions data and in keeping with the principle of “conservativeness,” all UCR Indian RE projects shall use the new conservative grid emission factor of 0.757 tCO2/MWh in their emission reduction calculations for the 2024 vintage year

Hence, the same emission factor has been considered to calculate the emission reduction under conservative approach. The parameters applied in the calculation were validated by the verification team. The verification team confirms that all relevant parameters have been sufficiently considered and the values of the parameters are real, measurable and conservative.

Parameters monitored ex-post

According to the approved methodology AMS-I.D., Grid connected renewable electricity generation, Version 18.0, the following parameters will be monitored:

Parameter	**Description**
$EG_{PJ,y}$	Quantity of net electricity generation supplied by the project plant/unit to the grid in year y

The values of the parameters monitored were checked against submitted Joint Meter Readings and invoices and were found correct.

Meter Details:

The electricity generation is monitored directly through energy meters installed by GETCO. The generation data is recorded, maintained, and periodically revised by GETCO based on their own meter readings and calibration processes.

Capacity	1x1.5 MW	1x1.5 MW	1x1.25 MW	1x1.25 MW
WTG No.	M-523	M-438	B-01	B-480
Meter No.	GJU04440	XD501471	GJB01111	GJB01377

There was no calibration delay for the current monitoring period. Calibration of meters was done as per the CEA regulations. The renewable power generated by the project is wheeled for captive consumption.

	Management system and quality assurance The monitoring plan presented in the PCN complies with the requirements of the applicable methodology. The verification team has verified all parameters in the monitoring plan against the requirements of the methodology and no deviations have been found. The management system and quality assurance procedures have been reviewed by the verification team through document review and interviews with the project participant. The project participant would train all the monitoring staffs are trained against with related requirement; the training guidelines and monitoring manual are saved and verified. The monitoring plan outlines in the PCN includes: - Monitoring Organization - Monitoring apparatus and installation - Calibration - Data collection - Data Management system The submitted calibration certificates were checked and it was confirmed that the calibrations are conducted periodically as specified in the PCN i.e. at least once in 5 years. There was no delay in the calibration during the current monitoring period.
Findings	No findings raised.
Conclusion	The verification team is convinced of compliance of the monitoring plan with the requirements of the monitoring methodology AMS-I.D., Grid connected renewable electricity generation, Version 18.0. During the remote audit assessment, the verification team interviewed the PP that the monitoring arrangements described in the monitoring plan are feasible within the project design. The monitoring parameter reported in MR adequately represents the parameters relevant to emission reduction calculation. The calibration report ensures the accuracy of the data reported. The number of CoUs generation is calculated based on this accurately reported data. The calculation was done using an excel sheet where all the parameters were reported. The grid emission factor for electricity is considered as per UCR recommendation for Indian project. In the monitoring report, emission reduction calculations are correctly calculated and reported. The monitoring report meets the requirements of UCR project verification requirements.

Start date, crediting period and duration

Means of Project Verification	The start date and crediting period of project activity was checked based on the commissioning certificate, PCN, MR and other documents provided.
Findings	No findings raised.
Conclusion	The project has chosen crediting period start date in UCR as 17/04/2019. The crediting period is chosen as 17/04/2019 to 31/12/2024 and the crediting period for the current monitoring period is 17/04/2019 to 31/12/2024.

Positive Environmental impacts

Means of Project Verification	PP has not claimed any separate positive environmental impact. The project being renewable energy project will reduce fossil fuel use throughreplacement of the same.
Findings	No findings raised
Conclusion	The project is a renewable energy project and reduces the environmentalburden by reducing the dependence on fossil fuel-based power plants.

Project Owner- Identification and communication

Means of Project Verification	PCN, communication agreement, MR, commissioning certificate, power purchase agreement.
Findings	CL 05 was raised and closed successfully. More information presented in the appendix below.
Conclusion	The project owner was identified through a communication agreement signed between project owner and project aggregator. Commissioning certificates and wheeling agreement were also verified and they clearly establish the project ownership. The identification and communication correctly meet the requirement of project verification and UCR project standard. Project owner: M/s. Kutch Chemical Industries Ltd. M/s. Panoli Intermediates (India) Pvt. Ltd.

Positive Social Impact

Means of Project Verification	Project has provided temporary employment to local people during its installation and commissioning. Also post commissioning some of people have employed permanently and local people were engaged leading to social financial benefit to surrounding. Overall social impact of project implementation is positive on the surrounding area
Findings	No findings raised.
Conclusion	Project has overall positive social impact

Sustainable development aspects (if any)

Means of Project Verification	PP has claimed SDG Goals 7& 13. SDG 7 is affordable and clean energy and it is verified during remote audit as the project is solar power plant. SDG 13 is climate action. These claims were checked on the basis of supporting documents, JMR & invoice, employment of the local people on the project site and emission reduction calculations respectively.
Findings	CAR 07 was raised and closed successfully. More information presented in the appendix below.
Conclusion	The project has the capability to address SDG 7 and 13.

Internal quality control

The verifier confirms that,

- Due professional care has been taken while reviewing the submitted document.
- There is no conflict of interest as the verifier has no other engagement with either the aggregatoror project owner directly or indirectly.
- Verification team consists of experienced personnel.

Project Verification opinion

Assessment team conducted documentation review the PCN against the UCR program verification standard version 2.0 and UCR project eligibility criteria version 7.0 and the UCR-PCN-FORM Version 1.0.

It is confirmed that the project activity is a 5.5 MW of small-scale wind power project located at Villages – Nani Sindholi and Bada & Panchetiya, Teh. – Abdasa and Mandvi, District – Kutch, State – Gujarat, India.

The geo co-ordinates of the project activity have been mentioned in sections above. Assessment team performed a remote audit and confirmed that the location described in the PCN is accurate. The verification was performed on the basis of UCR requirements, and host country criteria, as well as criteria given to provide for consistent project operations, monitoring and reporting.

The verification consisted of the following three phases: i) desk review of the PCN, MR and additional background documents; ii) follow-up interviews with project stakeholders; iii) resolution of outstanding issues and the issuance of the final verification report and opinion.

The project correctly applies the approved baseline and monitoring methodology AMS-I.D., Grid connected renewable electricity generation, Version 18.0.

The monitoring plan provides for the monitoring of the project's emission reductions. The monitoring arrangements described in the monitoring plan are feasible within the project design, and the project participants are able to implement the monitoring plan. Given that the project is implemented and maintained as designed, the project has achieved the emission reductions of 32,708 tCO2eq during the monitoring period i.e. from 17/04/2019 to 31/12/2024.
The review of the project design documentation and the subsequent follow-up interviews have provided assessment team with sufficient evidence to determine the fulfilment of stated criteria. In our opinion, the project meets all applicable UCR requirements. Assessment team thus requests the registration of the proposed UCR project activity.

Appendix 1. Abbreviations

Abbreviations	Full texts
AMS	Approved Methodology for Small-Scale CDM project activities
UCR	Universal Carbon Registry
PCN	Project Concept Note
MR	Monitoring Report
t	Tonnes
NGO	Non-Governmental Organization
ISO	International Organization for Standardization
CAR	Corrective Action Request
CL	Clarification Request
GHG	Greenhouse Gas
MWh	Megawatt Hours
CO_2	Carbon Dioxide
CH4	Methane
N2O	Nitrous Oxide

Appendix 2. Competence of team members and technical reviewers

❖ **Mr. Vijayanand** is an experienced professional, a strategic HSE expert with 16 years of leadership in environmental consulting, audit, and regulatory compliance. He has successfully implemented HSE/ESG rules across Asia and Europe, managing corporate and site-level HSE functions. His roles have involved EIA, waste management, and policy development. He is leading HSE and ESG efforts at Hero Future Energies, demonstrating budgeting, due diligence, and international standard implementation skills. He has contributed to impactful projects like ESIA, renewable energy initiatives, and audits. He is also having accreditation as a Lead Auditor in CDM and Verra by various DOEs/VVBs, he is qualified by Enviance as a TL, TR and Technical expert in Sector 1.2, 3.1, 14.1.

❖ **Mr. Vipul Jain** holds Bachelor of Technology from VIT University Vellore in 2020. He has gained valuable work experience as a site engineer at Light House Energy Developers, where he was employed from May 2020 to August 2022. Vipul holds an IRCA certification as an ISO 9001 Lead Auditor, demonstrating his expertise in quality management systems. He is well-versed in ISO 14064-1, ISO 14064-2, and ISO 14064-3, which are standards for greenhouse gas accounting and reporting. Furthermore, Vipul has received training in ISO 17029 and ISO 14065, highlighting his proficiency in environmental auditing and conformity assessment. He has also completed Clean Fuel Regulation training from Environment and Climate Change Canada, demonstrating his expertise in environmental management and sustainability.

❖ **Ms. Ritu Singh** has done Masters in Environmental Science from Central University of South Bihar, Gaya and bachelor of Science in Zoology from Magadh Mahila College, Patna University, India. She has done Masters' research focused on solid waste management during and post covid-19 pandemic and conducted a survey in Medical Colleges of Bihar to study the trends of waste management. She has more than 2 year working experience in True Quality Certifications Pvt. Ltd. (An outsource entity for LGAI Technological Center, S.A. (Spain) "Applus+ Certification") and has been involved in supporting Audit teams for Validation and Verifications of Project Activities (Renewable and non-Renewable projects) under CDM/VCS/GS4GG/GCC programs. Currently, Ritu is engaged as an internal resource with Enviance Services Private Limited, where she is accredited as a Lead Auditor, Validator, Verifier, and Technical Expert for Sectoral Scope/Technical Area 1.2 by Enviance.

❖ **Ms. Swati Mahajan** is graduate in Environmental Engineering from Shivaji University, India and previously worked as an Environment Engineer at Eco Designs India Private Ltd., Pune. She is adept in designing of landfill sites for solid waste management. She also has hands on experience in cost benefit analysis and preparation of DPRs for SWM projects. She also has done a certified course in carbon capture and storage from Edinburg University. Currently working as GHG assessor for projects under various GHG mechanisms like GCC, ICR, UCR and VERRA.

❖ **Mr. Prakhar Shastri** has done Bachelor of Technology in Electronic Communication Engineering from Medicaps University, Indore. Currently, He is working in Enviance Services

Private Limited and has been involved in supporting Audit teams for Verifications of Project Activities (Renewable and non-Renewable projects) under various registries like GCC.

Appendix 3. Document reviewed or referenced

No.	Author	Title	References to the document	Provider
1	NA	Communication agreement		Project Owner
2	NA	Project Concept Note		Aggregator
3	NA	Monitoring report		Aggregator
4	NA	Emission reduction sheet		Aggregator
5	NA	Declaration on avoidance of doublecounting		Aggregator
6	NA	Commissioning Certificates for the solar power plants		Aggregator
7	NA	Wheeling agreement		Aggregator
8	NA	Joint Meter Readings/invoices for the complete monitoring period		Aggregator
9	NA	Calibration certificates for energy meters		Aggregator
10	NA	Equipment purchase order		Aggregator
11	NA	Grid Emission factor recommended for Indian projects by UCR	Upto year 2023 - https://a23e347601d72166dcd6-16da518ed3035d35cf0439f1cdf449c9.ssl.cf2.rackcdn.com//Documents/UCRStandardAug2024updatedVer7_020824191534797526.pdf Year 2024 - https://medium.com/@UniversalCarbonRegistry/ucr-cou-standard-update-2024-vintage-ucr-indian-grid-emission-factor-announced-ddb790cdc603	General project eligibility criteria and guidance UCR standard version 7.0
12	UCR	UCR Program manual version 6.2 UCR COU standard version 7 UCR Verification standard version 2 UCR terms and conditions version 11.0, May 2025	https://www.ucarbonregistry.io/Document?projectCategoryId=1	Universal Carbon Registry
13	CDM	CDM approved methodology- AMS-I.D., Grid connected renewable electricity generation, Version 18.0.	AMS I.D.	UNFCCC

Clarification request, corrective action request and forward action request

Table 1. CLs from this Project Verification

Classification	☐ **CAR** ☒ **CL/CR** ☐ **FAR**	**Number:**	**01**
Raised by:	**Ms. Ritu Singh**	**Document Reference**	**PCN**
Finding Description		**Date:**	**11/06/2025**
Section A - 1. The information provided under Section A.1 of the PCN regarding the "Purpose of the Project Activity" is insufficient and does not align with the requirements of the UCR Template Guideline Version 1.0. Therefore, PP shall revise and update the section to include a clear, detailed, and specific purpose of the project activity in accordance with the prescribed guidelines. **2.** PP shall provide the exact coordinates/ KML file of all four WTG locations.			
Client/Responsible Party/Project Proponent Response		**Date:**	**03/07/2025**
1. The section A.1 of the PCN has been revised as per the UCR Template Guideline Version 1.0. 2. The geo-coordinates and KML file for WTG project locations have been provided.			
Validation/Verification Team Assessment		**Date:**	**15-07-2025**
1. PP has revised the section A.1 of the PCN and now the purpose of the project activity is clearly depicted. 2. PP has provided exact coordinates of all four WTG Location in section A.3 and it is found consistent. CL is closed.			

Classification	☐ **CAR** ☒ **CL/CR** ☐ **FAR**	**Number:**	**02**
Raised by:	**Ms. Ritu Singh**	**Document Reference**	**MR**
Finding Description		**Date:**	**11/06/2025**
PP to provide monthly share certificates indicating the net electricity supplied to the state utility (GETCO).			
Client/Responsible Party/Project Proponent Response		**Date:**	**03/07/2025**
The monthly share certificates indicating the net electricity supplied to the state utility (GETCO) are not available as the electricity generation is monitored directly through GETCO-installed energy meters.			
Validation/Verification Team Assessment		**Date:**	**15-07-2025**
PP has submitted declaration for meter readings that declare that the meter readings and corresponding generation data from the project activity are accurate, complete and reflect the actual electricity generated. Hence, CL is closed.			

Classification	☐ **CAR** ☒ **CL/CR** ☐ **FAR**	**Number:**	**03**
Raised by:	**Ms. Ritu Singh**	**Document Reference**	**PCN**

Finding Description	Date:	11/06/2025
1. Section B.4 (Project boundary, sources and greenhouse gases (GHGs) is inconsistent with UCR PCN Template version 1.0. Therefore, PP shall check and revise accordingly. 2. In the given actual or estimated spreadsheets, PP shall clarify from where the PLF value has been taken from or either provide the source for that. 3. In section B.7 of the PCN, PP shall conclusively mention the start date and the crediting period of the project activity. 4. In the section Data and Parameters Available at Validation (ex-ante values), the Combined Margin (CM) value has not been included as required. PP shall provide justification for the omission and include the CM value in accordance with the latest CEA database. Clarification is required.		
Client/Responsible Party/Project Proponent Response	**Date:**	**03/07/2025**
1. The section B.4 of the PCN has been revised to align with the UCR PCN Template Version 1.0. 2. The PLF value in the spreadsheet is as per assumption from the supportive source. 3. The section B.7 has been updated; the earliest commissioning date of the project is 14/02/2008 so as per UCR guidelines the crediting period has been considered from 01/01/2013, in accordance with the registry's policy. 4. In the ex-ante parameters, the Combined Margin value has been taken in accordance with the UCR standard and incorporated in the PCN and MR has been updated as per UCR standard and CEA database value for the post-2020 period.		
Validation/Verification Team Assessment	**Date:**	**15-07-2025**
1. PP has updated Section B.4 of the PCN to ensure compliance with the PCN template requirements. This part of the comment is closed. 2. PP has referred to a 'supporting source' in the response. PP must clarify the name of the source and, if available, provide the corresponding reference link. This part of the comment is open. 3. PP has revised Section B.7 to reflect that the earliest commissioning date of the project activity is 14/02/2008. In accordance with UCR guidelines, the start date of the crediting period has been determined as 01/01/2013, which is correct. Hence this part of the comment is closed. **4.** PP to review and revise the data parameter table. AS per the UCR Medium Documents (https://medium.com/@UniversalCarbonRegistry/ucr-cou-standard-update-2024-vintage-ucr-indian-grid-emission-factor-announced-ddb790cdc603) emission factor value 0.9 is recommended for 2013 to 2023. PP to add value for 2024 (as per the CEA database). Hence this part of the comment is open.		
Client/Responsible Party/Project Proponent Response	**Date:**	**31/07/2025**
1. Closed. 2. The Plant Load Factor has been determined by taking the normative benchmark as per the referred concept note. Source The same changes have been incorporated in the Estimated ER sheet. 3. Closed. 4. In this project activity, the emission factor is determined in two distinct phases. For the period year up to 2023, a grid emission factor of 0.9 tCO_2/MWh is applied and for the year 2024, a grid emission factor of 0.757 tCO_2/MWh in accordance with the updated UCR guidelines and are updated in the PCN and MR and hence the mentioned changes have been incorporated.		
Validation/Verification Team Assessment	**Date:**	**18-08-2025**

1. PP has provided source for the PLF value taken for the project and supporting source found acceptable by the assessment team. 2. The Project Proponent (PP) applied an emission factor of 0.9 tCO_2/MWh up to the year 2023. For 2024, the PP correctly adopted a revised emission factor of 0.75 tCO_2/MWh. These updates have been duly reflected in both the Project Concept Note (PCN) and the Monitoring Report (MR). CL is closed.

Classification	☐ **CAR** ☒ **CL/CR** ☐ **FAR**	**Number:**	**04**
Raised by:	**Ms. Ritu Singh**	**Document Reference**	**MR**
Finding Description		**Date:**	**11/06/2025**
1. PP to provide the evidence for expected lifetime of the project activity. **2.** PP to provide the exact coordinates/ KML file of all four WTG locations.			
Client/Responsible Party/Project Proponent Response		**Date:**	**03/07/2025**
1. The WTG lifetime is taken as per the wheeling agreement eligibility period clause. 2. The geo-coordinates have been updated and KML file has been submitted.			
Validation/Verification Team Assessment		**Date:**	**15-07-2025**
1. PP has submitted wheeling agreement for expected lifetime (20 years) and it is correctly depicted in the PCN. 2. PP has provided exact geo-coordinates of all four WTGs locations. CL is Closed.			

Classification	☐ **CAR** ☒ **CL/CR** ☐ **FAR**	**Number:**	**05**
Raised by:	**Ms. Ritu Singh**	**Document Reference**	**MR**
Finding Description		**Date:**	**11/06/2025**
PP shall provide the supporting documents for responsible person/ entities.			
Client/Responsible Party/Project Proponent Response		**Date:**	**03/07/2025**
The supporting document; UCR Communications Agreement has been submitted.			
Validation/Verification Team Assessment		**Date:**	**15-07-2025**
PP has submitted the UCR Communication Agreement, and the details of the responsible person/entities mentioned in the PCN are consistent with those in the agreement. CL is closed.			

Classification	☐ **CAR** ☒ **CL/CR** ☐ **FAR**	**Number:**	**06**
Raised by:	**Ms. Ritu Singh**	**Document Reference**	**PCN and MR**
Finding Description		**Date:**	**11/06/2025**

PP shall provide all the weblinks or sources where necessary in PCN and MR.		
Client/Responsible Party/Project Proponent Response	**Date:**	**03/07/2025**
The mentioned source has been referenced in the footnote of PCN and MR.		
Validation/Verification Team Assessment	**Date:**	**15-07-2025**
PP has provided weblinks for all the references used in the PCN and MR. Hence CL is closed.		

Table 2. CARs from this Project Verification

Classification	☒ **CAR** ☐ **CL/CR** ☐ **FAR**	**Number:**	**01**
Raised by:	**Ms. Ritu Singh**	**Document Reference**	**PCN**
Finding Description		**Date:**	**11/06/2025**
In Section A.4 of the PCN, PP shall provide the technical specification documents for each Wind Turbine Generator (WTG) and include all relevant technical details within the PCN, as the project is a bundled wind project.			
Client/Responsible Party/Project Proponent Response		**Date:**	**03/07/2025**
The details have been revised and made consistent in the project document.			
Validation/Verification Team Assessment		**Date:**	**15-07-2025**
PP has provided a weblink to the technical specification document for Model S-82 and model S-66, and the details mentioned in the PCN and MR are consistent with the supporting document. CAR is closed.			

Classification	☒ **CAR** ☐ **CL/CR** ☐ **FAR**	**Number:**	**02**
Raised by:	**Ms. Ritu Singh**	**Document Reference**	**PCN and MR**
Finding Description		**Date:**	**11/06/2025**
1. In section B.5 of PCN, PP shall include detailed step-wise calculations of emission reductions in the PCN, clearly presenting the formulas, input values, and assumptions used for BEy, PEy, and LEy. An annual breakdown of emission reductions (ERs) for the entire crediting period shall also be provided. 2. In the section Data and Parameters to be Monitored (ex-post monitoring values), PP shall include the serial numbers, installation locations, and calibration details of the energy meters for each plant in the bundled wind project. All the details s for all installed meters shall be provided in a tabular format to ensure traceability and compliance with monitoring requirements. **3.** PP shall provide the Meter details and calibration records for each WTGs.			
Client/Responsible Party/Project Proponent Response		**Date:**	**03/07/2025**
1. The calculations for input values have been revised and the annual breakdown of ERs has been added in PCN and MR as per the presented formulas. 2. The meter details have been added in the MR section.			

3. The meter details have been updated in the projects document and the generation data is recorded, maintained, and periodically revised by GETCO based on their own meter readings and calibration processes; PP does not have direct control over the calibration scheduling of these meters.		
Validation/Verification Team Assessment	**Date:**	**15-07-2025**
1. PP has revised the section as per the raised query but PP to provide estimated ER values for whole crediting period instead of monitoring period. Hence this part of the comment is open. **2.** PP has provided meter details in the data parameter table in PCN and MR, and confirmed that meter calibration and readings are managed by GETCO without any involvement from PP. A formal declaration has also been submitted by PP to this effect. First and second comment is closed.		
Client/Responsible Party/Project Proponent Response	**Date:**	**31/07/2025**
1. The mentioned changes for estimated ER values for the crediting period have been incorporated in the PCN. 2. Closed.		
Validation/Verification Team Assessment	**Date:**	**18-08-2025**
1. The Project Proponent (PP) has updated Section B.5 of the Project Concept Note (PCN) to include Emission Reduction (ER) values for the entire crediting period. Accordingly, the Corrective Action Request (CAR) is now considered resolved. CAR closed.		

Classification	☒ **CAR** ☐ **CL/CR** ☐ **FAR**	**Number:**	**03**
Raised by:	**Ms. Ritu Singh**	**Document Reference**	**MR**
Finding Description		**Date:**	**11/06/2025**
In reference to the ER sheet, the average annual electricity generation is 540.63 MWh. PP to sought Correction.			
Client/Responsible Party/Project Proponent Response		**Date:**	**03/07/2025**
The annual electricity generation have been revised and made consistent in the project document.			
Validation/Verification Team Assessment		**Date:**	**15-07-2025**
PP has corrected the value of the average electricity generation throughout the Project Concept Note and Monitoring report. CAR is closed.			

Classification	☒ **CAR** ☐ **CL/CR** ☐ **FAR**	**Number:**	**04**
Raised by:	**Ms. Ritu Singh**	**Document Reference**	**MR**
Finding Description		**Date:**	**11/06/2025**
The estimated amount of GHG emission reductions mentioned on the cover page for the monitoring period 17/04/2019 to 31/12/2024 is inconsistent. PP shall review and update the cover page to ensure consistency.			
Client/Responsible Party/Project Proponent Response		**Date:**	**03/07/2025**

The estimated amount of GHG emission reductions mentioned on the cover page for the monitoring period 17/04/2019 to 31/12/2024 is as per the PCN section B.5. calculations.		
Validation/Verification Team Assessment	**Date:**	**15-07-2025**
PP has corrected the value of estimated amount of GHG emission reduction mentioned on the cover for the monitoring period. CAR is Closed.		

Classification	☒ **CAR** ☐ **CL/CR** ☐ **FAR**	**Number:**	**05**
Raised by:	**Ms. Ritu Singh**	**Document Reference**	**MR**
Finding Description		**Date:**	**11/06/2025**
1. In Section B.1 of the MR, the technical specifications for each Wind Turbine Generator (WTG) are either missing or insufficient. As this is a bundled wind project, PP shall provide complete technical specification documents for each WTG and ensure that all relevant technical details are clearly presented in the MR. 2. PP to provide the Energy meter details and the calibration certificates. **3.** PP shall provide the generation records and the JMRs for further assessment.			
Client/Responsible Party/Project Proponent Response		**Date:**	**03/07/2025**
1. The relevant technical specifications for each Wind Turbine Generator (WTG) are made consistent in PCN and MR. 2. The generation data is recorded, maintained, and periodically revised by GETCO based on their own meter readings and calibration processes; PP does not have direct control over the calibration scheduling of these meters. 3. The generation records for the monitoring period have been included with the signed declaration affirming that the values mentioned in excel sheet are accurate; has been submitted.			
Validation/Verification Team Assessment		**Date:**	**15-07-2025**
1. PP has revised the section B.1 of the Monitoring report now all the details of the WTGs are consistently depicted. This part of the comment is closed. 2. PP has provided meter details in the data parameter table within the PCN and MR. The generation data is recorded, maintained, and periodically updated by GETCO, based on its own meter readings and calibration procedures. PP does not have direct control over the scheduling of meter calibration. A formal declaration has also been submitted by PP to this effect. First and second comment is closed. CAR is Closed.			

Classification	☒ **CAR** ☐ **CL/CR** ☐ **FAR**	**Number:**	**06**
Raised by:	**Ms. Ritu Singh**	**Document Reference**	**MR, PCN**
Finding Description		**Date:**	**15-07-2025**
As per this link https://medium.com/@UniversalCarbonRegistry/ucr-cou-standard-update-2024-vintage-ucr-indian-grid-emission-factor-announced-ddb790cdc603, for or renewable projects, the recommended emission factor for upto year 2023 is 0.9. Therefore, the emission reduction values for the years 2021, 2022, and 2023 should be revised accordingly. These updates should also be reflected in the PCN. PP to review and revise the Section C.5 of MR and B.5 of the PCN and ER sheet also. Corrective action sought.			

Client/Responsible Party/Project Proponent Response	**Date:**	**25-07-2025**
In this project activity, the emission factor is determined in two distinct phases. For the period year up to 2023, a grid emission factor of 0.9 tCO_2/MWh is applied and for the year 2024, a grid emission factor of 0.757 tCO2/MWh in accordance with the updated UCR guidelines and are updated in the PCN and MR and hence the mentioned changes have been incorporated.		
Validation/Verification Team Assessment	**Date:**	**18-08-2025**
The Project Proponent (PP) applied an emission factor of 0.9 tCO_2/MWh up to the year 2023. For 2024, the PP correctly adopted a revised emission factor of 0.75 tCO_2/MWh. These updates have been duly reflected in both the Project Concept Note (PCN) and the Monitoring Report (MR). CAR is closed.		

Classification	☒ **CAR** ☐ **CL/CR** ☐ **FAR**	**Number:**	**07**
Raised by:	**Ms. Ritu Singh**	**Document Reference**	**MR, PCN**
Finding Description		**Date:**	**15-07-2025**
In section B.2 of MR and section A.2 of PCN, PP shall add details of SDG goals achieved by this project activity. PP shall also submit the supporting documents for the same.			
Client/Responsible Party/Project Proponent Response		**Date:**	**31/07/2025**
The mentioned SDG table and the changes have been incorporated in the PCN and MR with supportive generation and ER sheet submitted.			
Validation/Verification Team Assessment		**Date:**	**18-08-2025**
The Project Proponent (PP) has updated both the Project Concept Note (PCN) and the Monitoring Report (MR) to include the Sustainable Development Goals (SDGs) table. Consequently, the Corrective Action Request (CAR) is now closed.			

~~Table 3. FARs from this Project Verification~~

~~**FAR ID**~~	~~xx~~	~~**Section no.**~~		~~**Date:** DD/MM/YYYY~~
~~**Description of FAR**~~				
~~**Project Owner's response**~~				~~**Date:** DD/MM/YYYY~~
~~**Documentation provided by Project Owner**~~				
~~**UCR Project Verifier assessment**~~				~~**Date:** DD/MM/YYYY~~