

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	05/03/2026
Title of the project activity	Bundled Wind power project in Jaisalmer (Rajasthan in India) managed by Enercon (India)Ltd.
Project reference no. (as provided by UCR Program)	UCR 510
Name of Entity requesting verification service (can be Project Owners themselves or any Entity having authorization of Project Owners, example aggregator.)	Viviid Emissions Reductions Universal Pvt. Ltd.
Contact details of the representative of the Entity, requesting verification service (Focal Point assigned for all communications)	Name: Lokesh Jain Email ID – lokesh.jain@viviidgreen.com
Country where project is located	India
Applied methodologies (approved methodologies by UCR Standard used)	ACM0002-Consolidated baseline methodology for grid-connected electricity generation from renewable sources - Version 22.0
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 <i>UCR Project Verifier</i> 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 Bundled Wind power project in Jaisalmer (Rajasthan in India) managed by Enercon (India)Ltd. ☒ The Project Owner has correctly described the Project Activity in the Project Concept Note version 1.1 (dated 13/01/2026) including the applicability of the approved methodology <i>ACM0002-Consolidated baseline methodology for</i>

	grid-connected electricity generation from renewable sources - Version 22.0 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 40,905 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 rules¹ 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: 510

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

	Date of approval: 06-05-2026
Name of the authorised personnel of UCR Project Verifier and his/her signature with date	 Vidhya Muralikrishna Quality Manager Date: 06-05-2026

PROJECT VERIFICATION REPORT

Executive summary

The project activity is titled- “Bundled Wind power project in Jaisalmer (Rajasthan in India) managed by Enercon (India)Ltd.” It is a wind-power Project which is spread across Soda and Korwa villages in Fatehgarh Tehsil, Jaisalmer District, in the state of Rajasthan, India. The project activity comprises the development, design, engineering, procurement, financing, construction, operation, and maintenance of a bundled wind power project located in Jaisalmer, Rajasthan, India. The project, owned by WWIL and managed by Enercon (India) Ltd., generates clean and reliable renewable electricity that is supplied to the (Rajasthan in India).

The project activity entails the supply, erection, commissioning and operation of 41 Enercon E-40 wind electric generators, each with a rated capacity of 600 kW. The Project is wholly owned by Wind World Wind Farms (Jaisalmer) Pvt. Ltd. (hereinafter referred to as the Project Proponent or PP).

The wind farm generates approximately **2,59,959.37 MWh** of clean electricity in the current monitoring period. The project supplies electricity under a long-term Power Purchase Agreement (PPA) signed & executed between Wind World (India) Limited (WWIL) and Rajasthan Rajya Vidyut Prasaran Nigam Limited (RVPN), with power scheduled for supply to the regional distribution companies of Rajasthan, namely Jodhpur, Jaipur, and Ajmer DISCOMs, which is part of the INDIAN (Northern, Eastern, Western and North Eastern) grid (now merged in the integrated Indian grid) in India.

The expected operational lifetime of the project is for 20 years. Addressing the energy demand-supply gap in Rajasthan and supporting the region’s sustainable growth.

The first WEC under the project activity was commissioned on 26/03/2004 and the last WEC under the project activity was commissioned on 12/06/2004. The project has been operational since the earliest commissioning date.

The project activity is a debundled project of CDM with registration number 0310². The crediting period for this project under CDM was from 01/07/2004 to 30/06/2014 (Fixed), which has now ended. The project proponent (PP) seeks verification under UCR starting from 01/07/2014, meaning the crediting period for UCR begins from that date. Therefore, there is no double counting for this project.

The project comprises 41 Wind Electric Generators (WEGs) of type Enercon E-40, each with an individual rated capacity of 600 KW.

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

² [CDM: Bundled Wind power project in Jaisalmer \(Rajasthan in India\) managed by Enercon \(India\) Ltd.](#)

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Loc No	WTG No	Village Name	Capacity (MW)	Discom	Commissioning date
EWFJPL-01	91/1425	Soda Bandhan	0.6	Jodhpur	26/03/2004
EWFJPL-02	91/1426		0.6	Jodhpur	
EWFJPL-03	91/1443		0.6	Jodhpur	
EWFJPL-04	91/1440		0.6	Jodhpur	
EWFJPL-05	91/1444		0.6	Jodhpur	
EWFJPL-06	91/1451		0.6	Jodhpur	
EWFJPL-07	91/1453		0.6	Jodhpur	
EWFJPL-08	91/1456		0.6	Jodhpur	
EWFJPL-09	91/1452		0.6	Jodhpur	
EWFJPL-10	91/1454		0.6	Jodhpur	
EWFJPL-11	91/1441		0.6	Jodhpur	
EWFJPL-12	91/1429		0.6	Jodhpur	
EWFJPL-13	91/1430		0.6	Jodhpur	
EWFJPL-14	91/1431		0.6	Jodhpur	
EWFJPL-15	91/1442		0.6	Jodhpur	
EWFJPL-16	91/1455		0.6	Jodhpur	
EWFJPL-17	91/1457		0.6	Jodhpur	
EWFJPL-18	91/1459	Soda Bandhan	0.6	Jodhpur	29/03/2004
EWFJPL-19	91/1460		0.6	Jodhpur	
EWFJPL-20	91/1475		0.6	Jodhpur	
EWFJPL-21	91/1461		0.6	Jodhpur	
EWFJPL-22	91/1462		0.6	Jodhpur	
EWFJPL-23	91/1465		0.6	Jodhpur	
EWFJPL-24	91/1464		0.6	Jodhpur	
EWFJPL-25	91/1463		0.6	Jodhpur	
EWFJPL-26	91/1467	Soda Bandhan	0.6	Jodhpur	31/03/2004
EWFJPL-27	91/1476		0.6	Jodhpur	
EWFJPL-28	91/1470		0.6	Jodhpur	
EWFJPL-29	91/1471		0.6	Jodhpur	
EWFJPL-30	91/1473		0.6	Jodhpur	
EWFJPL-31	91/1472		0.6	Jodhpur	
EWFJPL-32	91/1474		0.6	Jodhpur	
EWFJPL-33	91/1477		0.6	Jodhpur	
EWFJPL-34	91/1466		0.6	Jodhpur	
EWFJPL-35	91/1469	Soda Bandhan	0.6	Jodhpur	18/05/2004
EWFJPL-36	91/1468		0.6	Jodhpur	

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EWFJPL-37	91/1479		0.6	Jodhpur	
EWFJPL-38	91/1480		0.6	Jodhpur	
EWFJPL-39	91/1478		0.6	Jodhpur	
EWFJPL-40	91/1458		0.6	Jodhpur	
EWFJPL-41	91/1498	Korva	0.6	Jodhpur	12/06/2004

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

S. No.	Loc No	WTG No	Village Name	Capacity (MW)	Discom	Geo-Cordinate	
						Latitude	Longitude
1	EWFJPL-01	91/1425	Soda Bandhan	0.6	Jodhpur	26.64014	70.882987
2	EWFJPL-02	91/1426		0.6	Jodhpur	26.64202	70.882816
3	EWFJPL-03	91/1443		0.6	Jodhpur	26.6392	70.884494
4	EWFJPL-04	91/1440		0.6	Jodhpur	26.67108	70.903294
5	EWFJPL-05	91/1444		0.6	Jodhpur	26.67038	70.903218
6	EWFJPL-06	91/1451		0.6	Jodhpur	26.66467	70.902438
7	EWFJPL-07	91/1453		0.6	Jodhpur	26.66375	70.90243
8	EWFJPL-08	91/1456		0.6	Jodhpur	26.64202	70.882816
9	EWFJPL-09	91/1452		0.6	Jodhpur	26.63153	70.884541
10	EWFJPL-10	91/1454		0.6	Jodhpur	26.65898	70.902844
11	EWFJPL-11	91/1441		0.6	Jodhpur	26.65841	70.903464
12	EWFJPL-12	91/1429		0.6	Jodhpur	26.63425	70.883537
13	EWFJPL-13	91/1430		0.6	Jodhpur	26.61968	70.880095
14	EWFJPL-14	91/1431		0.6	Jodhpur	26.65322	70.907983
15	EWFJPL-15	91/1442		0.6	Jodhpur	26.61855	70.891456
16	EWFJPL-16	91/1455		0.6	Jodhpur	26.65178	70.909115
17	EWFJPL-17	91/1457		0.6	Jodhpur	26.65057	70.909048
18	EWFJPL-18	91/1459	Soda Bandhan	0.6	Jodhpur	26.61313	70.884947
19	EWFJPL-19	91/1460		0.6	Jodhpur	26.61977	70.877041

20	EWFJPL-20	91/1475		0.6	Jodhpur	26.6178	70.894694
21	EWFJPL-21	91/1461		0.6	Jodhpur	26.64287	70.905346
22	EWFJPL-22	91/1462		0.6	Jodhpur	26.64208	70.906104
23	EWFJPL-23	91/1465		0.6	Jodhpur	26.64063	70.901428
24	EWFJPL-24	91/1464		0.6	Jodhpur	26.6387	70.904499
25	EWFJPL-25	91/1463		0.6	Jodhpur	26.638	70.903198
26	EWFJPL-26	91/1467	Soda Bandhan	0.6	Jodhpur	26.6363	70.90113
27	EWFJPL-27	91/1476		0.6	Jodhpur	26.63606	70.899243
28	EWFJPL-28	91/1470		0.6	Jodhpur	26.64195	70.897636
29	EWFJPL-29	91/1471		0.6	Jodhpur	26.61453	70.881104
30	EWFJPL-30	91/1473		0.6	Jodhpur	26.61617	70.885295
31	EWFJPL-31	91/1472		0.6	Jodhpur	26.61935	70.897262
32	EWFJPL-32	91/1474		0.6	Jodhpur	26.61484	70.891358
33	EWFJPL-33	91/1477		0.6	Jodhpur	26.63768	70.889229
34	EWFJPL-34	91/1466		0.6	Jodhpur	26.63691	70.88974
35	EWFJPL-35	91/1469	Soda Bandhan	0.6	Jodhpur	26.63607	70.890161
36	EWFJPL-36	91/1468		0.6	Jodhpur	26.63539	70.891064
37	EWFJPL-37	91/1479		0.6	Jodhpur	26.63452	70.891694
38	EWFJPL-38	91/1480		0.6	Jodhpur	26.62775	70.887919
39	EWFJPL-39	91/1478		0.6	Jodhpur	26.63143	70.890262
40	EWFJPL-40	91/1458		0.6	Jodhpur	26.62523	70.889205
41	EWFJPL-41	91/1498	Korva	0.6	Jodhpur	26.6237	70.888933

Proposed wind power project has evolved as a result of the policies of Government of India and Government of Rajasthan, 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 supplied to the Rajasthan Rajya Vidyut Prasaran Nigam Limited (RVPN), with power scheduled for supply to the regional distribution companies of Rajasthan, namely Jodhpur, Jaipur, and Ajmer DISCOMs,

Addressing the energy demand-supply gap in Rajasthan and supporting the region's sustainable growth. A Power Purchase Agreement has been signed for 20 years. The project activity consists of 41 WTGs of 600 kW capacity each, aggregating to a total installed capacity of 24.6 MW of Enercon-40. The WEGs generate 3-phase electricity at 400 V, which is stepped up to 33 kV and transmitted to the Wind World (India) Ltd. (WWIL) pooling substation.

These wind turbines convert wind energy into electricity using synchronous generators, which are manufactured at Wind World and are spread across Soda and Korwa villages in Fatehgarh Tehsil, Jaisalmer District, in the state of Rajasthan, India.

The generated electricity is stepped up to 33 kV and transmitted to the Wind World (India) Ltd. (WWIL) pooling substation. At the substation, the voltage is further stepped up to 132 kV for evacuation into the Rajasthan state electricity grid, which is integrated with the Indian national grid. The project is designed to operate within a frequency range of 47.5–51.5 Hz and a voltage range of 400 V $\pm$ 12.5%, ensuring stable and compliant grid integration.

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. 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.

The average lifetime of the WEG is around 20 years as per the industry standards. As per DPR plant load factor is of 23.78%. 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.

The project activity consists 41 WTGs of 600 KW capacity each of make Enercon-40 type. This project generates 24.6 MW power which is supplied to the state electricity utility delivered by the Project Proponent. 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 7,8 and 13.

The first crediting period of the project activity in UCR is 10 years, 06 months in which total estimated electricity generation is 46,116.14 MWh annually and the total GHG emission reduction estimated is 40,905 tCO₂e annually.

The electricity generation for the current monitoring period is 2,59,959.37 MWh and total GHG emission reduction is 2,30,899 tCO₂e.

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 “Bundled Wind power project in Jaisalmer (Rajasthan in India) managed by Enercon (India)Ltd.”, the information and data presented in the MR version 1.1 dated 13/01/2026 is in line with the Project Concept Note Version 1.1 date 13/01/2026 and meets all relevant requirements of the UCR for UCR project activities. The UCR project activity correctly applies the methodology “ACM0002-Consolidated baseline methodology for grid-connected electricity generation from renewable sources -Version 22.0” 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	01/07/2014
End date of monitoring period	31/12/2024
Emission reductions achieved	2,30,899 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/ Lead Verifier	Mahajan	Swati	Enviance Services Private Limited	Yes	Yes	Yes
2.	Validator- Verifier/Technical Expert	Singh	Ritu	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	Internal	Kumar	Pankaj	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: 12/09/2025			
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,	Soda and Korwa villages in Fatehgarh Tehsil, Jaisalmer District, in the state of Rajasthan, India.	12/09/2025

	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 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		
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Interviews

No.	Interview			Date	Subject
	Last name	First name	Affiliation		
1.	Kumawat	Lal Chand	Enercon (India)	12/09/2025	Project Implementation, Monitoring plan, Project Boundary, Eligibility criteria, Host country requirements, Emission reduction calculations Project implementation, monitoring, Local stakeholder consultation
2.	Kumar	Jeetandra			
3.	Kohli	Dhruv	Viviid emissions reductions universal private Ltd.		
4.	Darne	Minal			
5.	Sahu	Nilesh	Local Stakeholders		
6.	Chand	Arun Kumar			
7.	Raj	Tilak			
8.	Kumar	Manas			

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	03	01	-
- Project boundary, sources and GHGs	-	-	-
- Baseline scenario	-	-	-
- Estimation of emission reductions or net anthropogenic removals	-	01	-
- Monitoring Report	-	-	-
Start date, crediting period and duration	-	01	-
Environmental impacts	-	-	-
Project Owner- Identification and communication	01	-	-
Others (please specify)	01	-	-
Total	07	03	-

Project Verification findings

Identification and eligibility of project type

Means of Project Verification	The project has an installation of a 41 WEGs (600 KW each) total 24.6 MW wind power capacity and hence it qualifies as a large-scale project. This is confirmed based on the commissioning certificates and technical specifications. Since the project is a large-scale project, it has applied approved CDM large scale methodology ACM0002-Consolidated baseline methodology for grid-connected electricity generation from renewable sources -Version 22.0. 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

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	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.
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General description of project activity

Means of Project Verification

The project activity involves the operation of a 41 WEGs (600 KW each) total 24.6 MW large-scale wind power project and its commissioning date and power evacuation at the substation were verified through the commissioning certificate of the project. The power purchase agreement confirms the companies/entities involved in the agreement for purchase of electricity from the 24.6 MW (Rajasthan State in 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 Rajasthan State in India. The approximate geo-coordinates of the project locations are mentioned below.

Details of Latitude & Longitude for the project site: -

S. No.	Loc No	WTG No	Village Name	Capacity (MW)	Discom	Geo-Coordinate	
						Latitude	Longitude
1	EWFJPL-01	91/1425	Soda Bandhan	0.6	Jodhpur	26.64014	70.882987
2	EWFJPL-02	91/1426		0.6	Jodhpur	26.64202	70.882816
3	EWFJPL-03	91/1443		0.6	Jodhpur	26.6392	70.884494
4	EWFJPL-04	91/1440		0.6	Jodhpur	26.67108	70.903294
5	EWFJPL-05	91/1444		0.6	Jodhpur	26.67038	70.903218
6	EWFJPL-06	91/1451		0.6	Jodhpur	26.66467	70.902438
7	EWFJPL-07	91/1453		0.6	Jodhpur	26.66375	70.90243
8	EWFJPL-08	91/1456		0.6	Jodhpur	26.64202	70.882816
9	EWFJPL-09	91/1452		0.6	Jodhpur	26.63153	70.884541
10	EWFJPL-10	91/1454		0.6	Jodhpur	26.65898	70.902844
11	EWFJPL-11	91/1441		0.6	Jodhpur	26.65841	70.903464
12	EWFJPL-12	91/1429		0.6	Jodhpur	26.63425	70.883537
13	EWFJPL-13	91/1430		0.6	Jodhpur	26.61968	70.880095
14	EWFJPL-14	91/1431		0.6	Jodhpur	26.65322	70.907983
15	EWFJPL-15	91/1442		0.6	Jodhpur	26.61855	70.891456
16	EWFJPL-16	91/1455		0.6	Jodhpur	26.65178	70.909115
17	EWFJPL-17	91/1457		0.6	Jodhpur	26.65057	70.909048

	18	EWFJPL-18	91/1459	Soda Bandhan	0.6	Jodhpur	26.61313	70.884947
	19	EWFJPL-19	91/1460		0.6	Jodhpur	26.61977	70.877041
	20	EWFJPL-20	91/1475		0.6	Jodhpur	26.6178	70.894694
	21	EWFJPL-21	91/1461		0.6	Jodhpur	26.64287	70.905346
	22	EWFJPL-22	91/1462		0.6	Jodhpur	26.64208	70.906104
	23	EWFJPL-23	91/1465		0.6	Jodhpur	26.64063	70.901428
	24	EWFJPL-24	91/1464		0.6	Jodhpur	26.6387	70.904499
	25	EWFJPL-25	91/1463		0.6	Jodhpur	26.638	70.903198
	26	EWFJPL-26	91/1467	Soda Bandhan	0.6	Jodhpur	26.6363	70.90113
	27	EWFJPL-27	91/1476		0.6	Jodhpur	26.63606	70.899243
	28	EWFJPL-28	91/1470		0.6	Jodhpur	26.64195	70.897636
	29	EWFJPL-29	91/1471		0.6	Jodhpur	26.61453	70.881104
	30	EWFJPL-30	91/1473		0.6	Jodhpur	26.61617	70.885295
	31	EWFJPL-31	91/1472		0.6	Jodhpur	26.61935	70.897262
	32	EWFJPL-32	91/1474		0.6	Jodhpur	26.61484	70.891358
	33	EWFJPL-33	91/1477		0.6	Jodhpur	26.63768	70.889229
	34	EWFJPL-34	91/1466		0.6	Jodhpur	26.63691	70.88974
	35	EWFJPL-35	91/1469	Soda Bandhan	0.6	Jodhpur	26.63607	70.890161
	36	EWFJPL-36	91/1468		0.6	Jodhpur	26.63539	70.891064
	37	EWFJPL-37	91/1479		0.6	Jodhpur	26.63452	70.891694
	38	EWFJPL-38	91/1480		0.6	Jodhpur	26.62775	70.887919
	39	EWFJPL-39	91/1478		0.6	Jodhpur	26.63143	70.890262
	40	EWFJPL-40	91/1458		0.6	Jodhpur	26.62523	70.889205
	41	EWFJPL-41	91/1498	Korva	0.6	Jodhpur	26.6237	70.888933
	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 02 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 ACM0002-Consolidated baseline methodology for grid-connected electricity generation from renewable sources -Version 22.0. 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 ACM0002-Consolidated baseline methodology for grid-connected electricity generation from renewable sources -Version 22.0, UCR Program standard, and UCR Verification Standard.
Findings	CL 04, CL 06, CL 07 and CAR 03 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 version 1.1 and MR version 1.1. 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 ACM0002-Consolidated baseline methodology for grid-connected electricity generation from renewable sources -Version 22.0, "the spatial extent of this project activity includes the project site and all the power plants connected physically to the electricity system (grid) that the power project 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.

	GHG sources are correctly identified and reported. The project meets the requirements of UCR project standard, Verification standard and methodology requirements for a boundary, GHG sources.
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(.a.iv) Baseline scenario

Means of Project Verification	As per the applied ACM0002-Consolidated baseline methodology for grid-connected electricity generation from renewable sources - Version 22.0 the baseline scenario is as following: The baseline scenario is that 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 to 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 in the 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 ACM0002-Consolidated baseline methodology for grid-connected electricity generation from renewable sources -Version 22.0 As per the CDM approved ACM0002-Consolidated baseline methodology for grid-connected electricity generation from renewable sources -Version 22.0 paragraph 57, encompass solely the CO2 emissions stemming from electricity generation in power plants displaced by the project activity. The methodology operates on the assumption that any electricity generation exceeding baseline levels would have originated from
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	established grid-connected power plants and the integration of new grid-connected power plants. $BE_y = EG_{PJ, y} \times EF_{grid, CM, y}$ Where; BE_y : Baseline emissions in year y (tCO₂/year) $EG_{PJ, y}$: Quantity of net electricity generation that is produced and fed into the grid as a result of the implementation of the UCR project activity in year y (MWh/year) $EF_{grid, CM, y}$: Combined margin CO₂ emission factor for grid connected power generation in year y (tCO₂/MWh) A "grid emission factor" refers to a CO₂ 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 tCO₂/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.³ 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: Regarding project emissions, ACM0002 version 22.0 specifies that only emissions related to fossil fuel combustion, emissions from the operation of geothermal power plants due to the release of non-condensable gases, and emissions from water reservoirs of hydroelectric plants should be taken into account. Since the project involves a wind power project, emissions from renewable energy plants are negligible $PE_y = 0.$ Since wind power is a GHG emission free source of energy project emission considered as Zero for the project activity. Leakage Emissions: Leakage, as outlined in ACM0002 version 22.0, para 5.6, is considered to be zero as there is no transfer of energy-generating equipment in the project activity Hence (LE_y = 0).
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³ https://a23e347601d72166dcd6-16da518ed3035d35cf0439f1cdf449c9.ssl.cf2.rackcdn.com/Documents/UCRStandardAug2024updatedVer7_020824191534797526.pdf

Emission reductions: As per approved ACM0002-Consolidated baseline methodology for grid-connected electricity generation from renewable sources -Version 22.0, 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:

ER_y = Emission reductions in year y (t CO₂)

BE_y = Baseline Emissions in year y (t CO₂)

PE_y = Project emissions in year y (t CO₂)

LE_y = Leakage emissions in year y (t CO₂)

Therefore, $ER_y = BE_y$

The earliest commissioning date of the Project is 26/03/2004 when the first installation of the wind turbine was done and the last commissioning date is 12/06/2004.

The project activity is a debundled project of CDM with registration number 0310⁴. The crediting period for this project under CDM was from 01/07/2004 to 30/06/2014 (Fixed), which has now ended. The project proponent (PP) seeks verification under UCR starting from 01/07/2014.

The start date of the crediting period under UCR is considered from 01/07/2014.

For the ease of the calculation, duration of the crediting period in UCR is started from 01/07/2014 to 31/12/2024.

The estimated emission reductions are 40,905 CoUs/yr (40,905 tCO₂eq/yr)

Year	Net Generation	EF	Baseline Emissions	Project Emissions	Emission Reductions
	MWh	(tCO ₂ /MWh)	(tCO ₂ e)	(tCO ₂ e)	(tCO ₂ e)
2014	46116.14	0.9	41504.53	0.00	41504.53
2015	46116.14	0.9	41504.53	0.00	41504.53
2016	46116.14	0.9	41504.53	0.00	41504.53
2017	46116.14	0.9	41504.53	0.00	41504.53
2018	46116.14	0.9	41504.53	0.00	41504.53
2019	46116.14	0.9	41504.53	0.00	41504.53
2020	46116.14	0.9	41504.53	0.00	41504.53
2021	46116.14	0.9	41504.53	0.00	41504.53
2022	46116.14	0.9	41504.53	0.00	41504.53
2023	46116.14	0.9	41504.53	0.00	41504.53
2024	46116.14	0.757	34909.92	0.00	34909.92
Total Emission reduction	507277		415045	0	449955

⁴ [CDM: Bundled Wind power project in Jaisalmer \(Rajasthan in India\) managed by Enercon \(India\) Ltd.](#)

Project Verification Report

	Average Emission Reduction	50728		41505	0	40,905	
	The actual emission reduction achieved during the first CoU's period (01/07/2014 to 31/12/2024) as per the Project Activity:						
	Actual Total baseline emission reductions (BEy)= 2,30,899 CoUs (2,30,899 tCO2eq)						
	Sr. No	Month & Year	Adjusted Net Generation with Error Factor (in MWh)	Emission Factor	Baseline Emissions	Project Emissions	Emission Reductions
				(tCO2e/MWh)	(tCO2e)	(tCO2e)	tCO2e
	1	01/07/2014 to 31/12/2014	16029	0.9	14426	0	14426
	2	01/01/2015 to 31/12/2015	26284	0.9	23656	0	23656
	3	01/01/2016 to 31/12/2016	17069	0.9	15362	0	15362
	4	01/01/2017 to 31/12/2017	13974	0.9	12577	0	12577
	5	01/01/2018 to 31/12/2018	22098	0.9	19888	0	19888
	6	01/01/2019 to 31/12/2019	26201	0.9	23580	0	23580
	7	01/01/2020 to 31/12/2020	25672	0.9	23105	0	23105
	8	01/01/2021 to 31/12/2021	31408	0.9	28267	0	28267
	9	01/01/2022 to 31/12/2022	28602	0.9	25742	0	25742
	10	01/01/2023 to 31/12/2023	31190	0.9	28071	0	28071
	11	01/01/2024 to 31/12/2024	21433	0.757	16225	0	16225
	Total Emissions Reductions		259959				2,30,899
Findings	CAR 01 was 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 ACM0002-Consolidated baseline methodology for grid-connected electricity generation from renewable sources -Version 22.0. 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;
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(.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 CO₂ 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 tCO₂/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 ACM0002-Consolidated baseline methodology for grid-connected electricity generation from renewable sources -Version 22.0, 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:

Old Meter Details:

Meter Type	Old Meter Sr. No.	Line No	Sub-station	Accuracy class	Make	Calibration Delay	Calibration Date	Calibration Validity
Main Meter	13195563	Line 1	Amarsagar	0.2	L & T	01-07-2014 to 31-05-2018	11-05-2018	10-05-2023
	13195562	Line 2	Amarsagar	0.2	L & T		11-05-2018	10-05-2023
Old	RJB00052	Line	Tebmderi	0.2	L & T	01-07-2014	13-05-2018	22-07-2023

Backup Meter		1				to 31-05-2018		
	ABB00691	Line 2	Tebmderi	0.2	L & T	01-07-2014 to 31-05-2018	14-05-2018	22-07-2023

New Meter Details:

Meter Type	New Meter Sr. No.	Line No	Sub-station	Accuracy class	Make	Calibration Delay	Calibration Date	Calibration Validity
Main Meter	13195563	Line 1	Amarsagar	0.2	L & T	01-05-2023 to 31-12-2023	15-12-2023	14-12-2028
	13195562	Line 2	Amarsagar	0.2	L & T		15-12-2023	14-12-2028
Backup Meter	22001539	Line 1	Tebmderi	0.2	L & T	01-05-2023 to 31-12-2023	15-12-2023	22-07-2028
	22001505	Line 2	Tebmderi	0.2	L & T	01-05-2023 to 31-12-2023	15-12-2023	22-07-2028

There is calibration delay for the current monitoring period from **01/07/2014 to 01/15/2018** & from **01/05/2023 to 01/12/2023**. The error factor has been applied in net export values for the delayed period as meters were not calibrated as per the calibration frequency which is once in five years. As per the Appendix calibration of the VVS Standard v3.0, Para 366(a): error factor of " $\pm 0.2\%$ " should be applicable for both export & import i.e. the measured values. However, net electricity generation is considered as per the registered monitoring plan, the separate export and import values are not available. Hence being conservative and to account for the error for both export & import, a cumulative error of " -0.4% " on net electricity generation has been applied for delay period.⁵

As part of a scheduled maintenance and calibration activity, two ABT backup meters were replaced on 26 July 2022. The ABT meter installed on the 132 kV Amarsagar–Temdarai Line-I was replaced, with the meter number changed from RJB00052 to 22001539. Similarly, the ABT meter on the 132 kV Amarsagar–Temdarai Line-II was replaced, changing from meter number ABB00691 to 22001505.

Calibration of meters was done as per the CEA regulations.

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

⁵ https://cdm.unfccc.int/sunsetcms/storage/contents/stored-file-20210921115831128/reg_stan06_v03.0.pdf?

	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.
Findings	No findings raised.
Conclusion	The verification team is convinced of compliance of the monitoring plan with the requirements of the monitoring methodology ACM0002-Consolidated baseline methodology for grid-connected electricity generation from renewable sources -Version 22.0. 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	CAR 02 was raised and closed successfully. More information presented in the appendix below.
Conclusion	The project has chosen crediting period start date in UCR as 01/07/2014. The crediting period is chosen as 01/07/2014 to 31/12/2024 and the crediting period for the current monitoring period is 01/07/2014 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 through replacement of the same.
Findings	No findings raised
Conclusion	The project is a renewable energy project and reduces the environmental burden 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,
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	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 Power Purchase 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: Wind world (India)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, 8 & 13. SDG 7 is affordable and clean energy and it is verified during remote audit as the project is solar power plant. SDG 8 is decent work & economic growth and is verified by the supporting documents provided. 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	CL 03 was raised and closed successfully. More information presented in the appendix below.
Conclusion	The project has the capability to address SDG 7, 8 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 aggregator or 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 24.6 MW of large-scale wind power project located across villages Soda and Korwa villages in Fatehgarh Tehsil, Jaisalmer District, in the state of Rajasthan, 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 ACM0002-Consolidated baseline methodology for grid-connected electricity generation from renewable sources -Version 22.0.

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 2,30,899 tCO₂eq during the monitoring period i.e. from 01/07/2014 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
ACM	Approved Consolidated Methodology
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
CH ₄	Methane
N ₂ O	Nitrous Oxide

Appendix 2. Competence of team members and technical reviewers

❖ **Mr. Pankaj Kumar** is a seasoned Environment and Climate Change professional with over 19 years of experience in Climate Change Mitigation & Adaptation, Environmental Due Diligence, Disaster Risk Reduction, Climate Finance, and capacity building. As the Managing Director of Enviance Services Pvt. Ltd., Pankaj Kumar leads a validation and verification body for GHG projects and also providing consultancy services in various areas including Climate Adaptation, Mitigation, Sustainability, and more. Previously, Pankaj Kumar served as a Climate Adaptation Expert with Deloitte Touche Tohmatsu India LLP, contributing to the World Bank project on Asset Management, Institutional Effectiveness, and Road Safety in Bihar. Mr. Pankaj also led the Bihar team for the South Asia Climate Proofing and Growth Development (CPGD) – Climate Change Innovation Programme (CCIP), supported by DFID, which aimed to integrate climate change resilience into planning and budgeting across South Asia. With a strong background in environmental projects, Pankaj Kumar has worked with IL&FS Infrastructure Development Corporation and BUIDCO (Bihar Urban Infrastructure Development Corporation) as an Environmental Specialist for WB & ADB funded projects. Additionally, Pankaj has extensive experience in GHG project validation and verification, having led over 300 projects globally while with UNFCCC accredited DoEs and as an external expert for Gold Standard and Global Carbon Council. Mr. Pankaj is an accredited Lead Auditor, Validator, Verifier, and Technical Expert for multiple sectoral scopes by UNFCCC DoE and is on the roster of WASH experts of UNICEF. Mr. Pankaj's expertise spans across various standards including CDM, Verified Carbon Standard, Gold Standard, Global Carbon Council, Natural Forest Standard, Riverse and Social Carbon Standard.

❖ **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.

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 wind power plants		Aggregator
7	NA	Power purchase 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?projectId=1	Universal Carbon Registry
13	CDM	CDM approved methodology- ACM0002- Consolidated baseline methodology for grid-connected electricity generation from renewable sources -Version 22.0.	https://cdm.unfccc.int/methologies/DB/XB1TX7TAZ6SLWM9B7BC67THHVD16JV	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. Swati Mahajan	Document Reference	MR
Finding Description		Date:	09/01/2026
PP shall submit an undertaking for no double counting for current monitoring period and for project activity has neither been registered nor seeking registration under any other GHG programs.			
Client/Responsible Party/Project Proponent Response		Date:	13/01/2026
PP Has submitted the undertaking for no double counting for current monitoring period and for project activity has neither been registered nor seeking registration under any other GHG programs.			
Validation/Verification Team Assessment		Date:	16/01/2026
PP has submitted the no double counting for current monitoring period and during verification it was concluded that for current monitoring period, the project activity has neither been registered nor seeking registration under any other GHG programs.			

Classification	☐ CAR ☒ CL/CR ☐ FAR	Number:	02
Raised by:	Ms. Swati Mahajan	Document Reference	MR
Finding Description		Date:	09/01/2026
PP shall submit following documents: - Detailed Project Report - Power purchase agreement - Single line diagram - Land documents - Commissioning certificate - Details of geo co-ordinates or KMF file.			
Client/Responsible Party/Project Proponent Response		Date:	13/01/2026
“As the PP has already registered the project under the CDM, the same may be referred to as a reference.”			
Validation/Verification Team Assessment		Date:	16/01/2026
- As the project activity was previously registered in CDM, verifier has verified all the necessary details from the registered CDM project. - As per the submitted Power Purchase Agreement (PPA), the agreement was signed in July 2003 and was valid for 20 years, i.e., until July 2023. However, since the crediting period for the current monitoring period extends until 31/12/2024, the Project Proponent (PP) is required to submit a valid PPA covering this period. Hence, CL 02 is open.			
Client/Responsible Party/Project Proponent Response		Date:	25/02/2026
PP has provided the updated Power Purchase Agreement (PPA)			
Validation/Verification Team Assessment		Date:	27/02/2026
As the project activity was previously registered in CDM, verifier has verified all the necessary			

details from the registered CDM project.

2. PP has submitted the valid PPA which covers the entire monitoring period of the project activity.
Hence, CL 02 is closed.

Classification	☐ CAR ☒ CL/CR ☐ FAR	Number:	03
Raised by:	Ms. Swati Mahajan	Document Reference	MR
Finding Description		Date:	09/01/2026
1. PP shall submit the names of the local stakeholders. 2. The Project Proponent (PP) has claimed alignment with the following Sustainable Development Goals (SDGs): SDG 8: Decent Work and Economic Growth In order to validate these claims and ensure measurable achievement of the stated goals, the PP is hereby requested to submit the following supporting documentation: • Employment data including number of jobs created, nature of employment (temporary/permanent), and gender inclusivity. All documents should be duly certified and submitted.			
Client/Responsible Party/Project Proponent Response		Date:	13/01/2026
The PP has attached the attendance and training report for reference.			
Validation/Verification Team Assessment		Date:	16/01/2026
PP has submitted all the necessary documents regarding local stakeholders' names and employment details fulfilling SDG 8. Hence, CL 03 is closed.			

Classification	☐ CAR ☒ CL/CR ☐ FAR	Number:	04
Raised by:	Ms. Swati Mahajan	Document Reference	MR
Finding Description		Date:	09/01/2026
PP shall submit the meter photographs of main meter installed on the project site.			
Client/Responsible Party/Project Proponent Response		Date:	13/01/2026
PP has submit the meter photographs of main meter installed on the project site.			
Validation/Verification Team Assessment		Date:	16/01/2026
PP has submitted the meter photographs of all the meters installed on the project site and during verification all the meter serial numbers were found to be consistent with the meter calibration certificate. Hence, CL 04 is closed.			

Classification	☐ CAR ☒ CL/CR ☐ FAR	Number:	05
Raised by:	Ms. Swati Mahajan	Document Reference	MR
Finding Description		Date:	09/01/2026

The Project Proponent (PP) shall submit a document listing all entities involved in the project activity, along with a duly signed agreement between the PP and the designated registry.		
Client/Responsible Party/Project Proponent Response	Date:	13/01/2026
PP wants to clarify as this is a debundled project, only a capacity of 24.6 MW has been considered. The project belongs to Wind World wind farms (Jaisalmer and was earlier registered as a bundled project under CDM Project ID 0310.”		
Validation/Verification Team Assessment	Date:	16/01/2026
The clarification provided by the Project Proponent (PP) regarding the debundled capacity of 24.6 MW and reference to the earlier bundled CDM Project ID 0310 is noted. However, as per the requirement, the PP shall still submit: • A document listing all entities involved in the current project activity, and • A duly signed agreement between the PP and the designated registry which is UCR. Hence, CL 05 is open.		
Client/Responsible Party/Project Proponent Response	Date:	24/02/2026
PP has provided the requested documents		
Validation/Verification Team Assessment	Date:	27/02/2026
PP has submitted the UCR Communication Agreement pertaining to the mentioned project activity. The agreement duly records the names of all parties involved in the project, thereby establishing clarity on roles, responsibilities, and communication protocols in accordance with UCR requirements. Hence, CL 05 is closed.		

Classification	☐ CAR ☒ CL/CR ☐ FAR	Number:	06
Raised by:	Ms. Swati Mahajan	Document Reference	MR
Finding Description		Date:	09/01/2026
As stated in the Monitoring Report (MR), the project was previously registered under the Clean Development Mechanism (CDM) with ID No. 0310; the Project Proponent (PP) shall include a reference link to the CDM registration as a footnote.			
Client/Responsible Party/Project Proponent Response		Date:	13/01/2026
PP has added the footnote.			
Validation/Verification Team Assessment		Date:	16/01/2026
PP has added a reference link as a footnote in MR version 1.1. Hence, CL 06 is closed.			

Classification	☐ CAR ☒ CL/CR ☐ FAR	Number:	07
Raised by:	Ms. Swati Mahajan	Document Reference	MR
Finding Description		Date:	09/01/2026
PP shall submit the supporting documents mentioning the technical specifications of wind turbines.			
Client/Responsible Party/Project Proponent Response		Date:	13/01/2026
PP wants to clarify as this project has been already register, please take that data as a reference.			
Validation/Verification Team Assessment		Date:	16/01/2026
PP has taken registered CDM project as a reference, on verification it was verified that all the design specifications are in line with the registered CDM project.			

Hence, CL 07 is closed.

Table 2. CARs from this Project Verification

Classification	☒ CAR ☐ CL/CR ☐ FAR	Number:	01
Raised by:	Ms. Swati Mahajan	Document reference	MR
Finding Description		Date:	09/01/2026
1. Few JMR readings are inconsistent with the submitted supporting documents. Correction sought. 2. PP shall revise the energy generation and emission reduction value in MR (wherever applicable) as per the revised excel sheet.			
Client/Responsible Party/Project Proponent Response		Date:	13/01/2026
1. PP has corrected the JMR readings which were inconsistent with the supporting documents. 2. PP has revised the energy generation and emission reduction value in MR .			
Validation/Verification Team Assessment		Date:	16/01/2026
1. PP has corrected all the inconsistent JMR readings and now are found to be consistent. 2. PP has revised the energy generation and emission reduction value in MR version 1.1. Hence, CAR 01 is closed.			

Classification	☒ CAR ☐ CL/CR ☐ FAR	Number:	02
Raised by:	Ms. Swati Mahajan	Document reference	MR
Finding Description		Date:	09/01/2026
1. Length of crediting period is inconsistent throughout the MR. Correction sought. 2. First issuance period mentioned in PCN is inconsistent with the period mentioned in MR. Correction sought.			
Client/Responsible Party/Project Proponent Response		Date:	13/01/2026
1. PP has corrected the Length of crediting period which was inconsistent throughout the MR. 2. PP has corrected the First issuance period mentioned in PCN is inconsistent with the period mentioned in MR.			
Validation/Verification Team Assessment		Date:	16/01/2026
1. Length of crediting period is consistent throughout the MR version 1.1. 2. First issuance period mentioned in PCN is now consistent with the period mentioned in MR. Hence, CAR 02 is closed.			

Classification	☒ CAR ☐ CL/CR ☐ FAR	Number:	03
Raised by:	Ms. Swati Mahajan	Document reference	MR
Finding Description		Date:	09/01/2026
In Section B.8 of the PCN submission, the EGy_{net} parameter was found to be inconsistent with the expected parameter; a correction is hereby requested to ensure accurate representation of the net energy			

content.		
Client/Responsible Party/Project Proponent Response	Date:	13/01/2026
PP has modified the In Section B.8 of the PCN submission, the EGy,net parameter was found inconsistent.		
Validation/Verification Team Assessment	Date:	16/01/2026
PP has corrected in EGy,net parameter in section B.8 of PCN version 1.1. Hence, CAR 03 is 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