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	06/06/2025
Title of the project activity	Wind Energy Project in Gujarat.
Project reference no. (as provided by UCR Program)	UCR 496
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 *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 Wind Energy Project in Gujarat. ☒ The Project Owner has correctly described the Project Activity in the Project Concept Note 3 (dated 05*/06/2025*) including the applicability of the approved

	methodology *ACM0002-Consolidated baseline methodology for 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 79,315 tCO_{2e}, 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.

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

Project Verification Report, reference number and date of approval	Verification Report UCR Reference number: 496 Date of approval: 09-06-2025
Name of the authorised personnel of UCR Project Verifier and his/her signature with date	 Vidhya Muralikrishna Quality Manager Date: 09-06-2025

PROJECT VERIFICATION REPORT

Executive summary

The project activity is titled- “Wind Energy Project in Gujarat”.
It is a wind-power Project located in Kutch and Lalpur sites of Kutch and Jamnagar districts respectively, in the state of Gujarat in India. The project consists of 63 machines of Enercon make E-53 type Wind Energy Converters (WECs) each of capacity 800 KW. The project has been effectively commissioned by Vish Wind Infrastructure LLP (Private entity). This project comprises of wind turbines spread across the villages in Kutch and Jamnagar districts.

The first machine under the project activity was commissioned on 2nd October 2011 and last machine under the project activity was commissioned on 31st March 2012. The project has been operational since the earliest commissioning date.

The project activity was registered under Clean Development Mechanism (CDM) project with registration number 6484,[2] as well as Gold Standard (GS) with reference number 4426[3]. The crediting period of this project under CDM & GS is 01/12/2012 to 30/09/2022. The verification under UCR starts from 01/10/2022 onwards, i.e., crediting period for UCR starts from 01/10/2022. Hence, there is no double counting for said project activity.

The project consists of 63 machines of Enercon make E-53 type Wind Energy Converters (WECs) each of capacity 800 KW.

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

Commissioning details for Kutch Site (District Kutch, State- Gujarat):

Sr. No.	WEG ID NO	Village	Taluka	Date of commissioning
1	EIL/800/11-12/2469	KhambhadiNani	Nakhatrana	31/03/2012
2	EIL/800/11-12/2470	KhambhadiNani	Nakhatrana	31/03/2012
3	EIL/800/11-12/2471	KhambhadiNani	Nakhatrana	31/03/2012
4	EIL/800/11-12/2472	KhambhadiNani	Nakhatrana	31/03/2012
5	EIL/800/11-12/2475	KhambhadiNani	Nakhatrana	31/03/2012
6	EIL/800/11-12/2476	KhambhadiNani	Nakhatrana	31/03/2012
7	EIL/800/11-12/2473	KhambhadiNani	Nakhatrana	31/03/2012
8	EIL/800/11-12/2474	KhambhadiNani	Nakhatrana	31/03/2012
9	EIL/800/11-12/2477	KhambhadiNani	Nakhatrana	31/03/2012
10	EIL/800/11-12/2478	KhambhadiNani	Nakhatrana	31/03/2012
11	EIL/800/11-12/2479	KhambhadiNani	Nakhatrana	31/03/2012

[2] https://cdm.unfccc.int/Projects/DB/DNV-CUK1340349635.01

[3] https://registry.goldstandard.org/projects/details/783

12	EIL/800/11-12/2483	Vigodi	Nakhatrana	31/03/2012
13	EIL/800/11-12/2587	RamparSarva	Nakhatrana	31/03/2012
14	EIL/800/11-12/2494	RamparSarva	Nakhatrana	31/03/2012
15	EIL/800/11-12/2484	Vigodi	Nakhatrana	31/03/2012
16	EIL/800/11-12/2485	Vigodi	Nakhatrana	31/03/2012
17	EIL/800/11-12/2486	Vigodi	Nakhatrana	31/03/2012
18	EIL/800/11-12/2487	Vigodi	Nakhatrana	31/03/2012
19	EIL/800/11-12/2488	Vigodi	Nakhatrana	31/03/2012
20	EIL/800/11-12/2489	Vigodi	Nakhatrana	31/03/2012
21	EIL/800/11-12/2490	Vigodi	Nakhatrana	31/03/2012
22	EIL/800/11-12/2491	Vigodi	Nakhatrana	31/03/2012
23	EIL/800/11-12/2492	Vigodi	Nakhatrana	31/03/2012
24	EIL/800/11-12/2493	Vigodi	Nakhatrana	31/03/2012
25	EIL/800/11-12/2590	Khirsara (Netra)	Nakhatrana	31/03/2012
26	EIL/800/11-12/2591	Khirsara (Netra)	Nakhatrana	31/03/2012
27	EIL/800/11-12/2589	RamparSarva	Nakhatrana	31/03/2012
28	EIL/800/11-12/2495	RamparSarva	Nakhatrana	31/03/2012
29	EIL/800/11-12/2496	RamparSarva	Nakhatrana	31/03/2012
30	EIL/800/11-12/2497	Bandiya	Abdasa	31/03/2012
31	EIL/800/11-12/2480	KhambhadiNani	Nakhatrana	31/03/2012
32	EIL/800/11-12/2481	KhambhadiNani	Nakhatrana	31/03/2012
33	EIL/800/11-12/2482	KhambhadiNani	Nakhatrana	31/03/2012

Commissioning details for Lalpur Site (District Jamnagar, State- Gujarat):

Sl. No.	WTG ID No.	Village	Taluka	Date of Commissioning
1	EIL/800/11-12/2161	NaviPipar	Lalpur	02/10/2011
2	EIL/800/11-12/2162	NaviPipar	Lalpur	02/10/2011
3	EIL/800/11-12/2163	NaviPipar	Lalpur	02/10/2011
4	EIL/800/11-12/2164	NaviPipar	Lalpur	02/10/2011
5	EIL/800/11-12/2165	NaviPipar	Lalpur	02/10/2011
6	EIL/800/11-12/2166	Govana	Lalpur	02/10/2011
7	EIL/800/11-12/2167	Govana	Lalpur	02/10/2011
8	EIL/800/11-12/2168	Govana	Lalpur	02/10/2011
9	EIL/800/11-12/2169	Govana	Lalpur	02/10/2011
10	EIL/800/11-12/2170	Govana	Lalpur	02/10/2011
11	EIL/800/11-12/2171	Govana	Lalpur	02/10/2011
12	EIL/800/11-12/2172	Govana	Lalpur	02/10/2011
13	EIL/800/11-12/2173	Govana	Lalpur	02/10/2011
14	EIL/800/11-12/2174	Govana	Lalpur	02/10/2011
15	EIL/800/11-12/2175	Govana	Lalpur	02/10/2011
16	EIL/800/11-12/2176	Govana	Lalpur	03/10/2011

17	EIL/800/11-12/2177	NaniRafudad	Lalpur	03/10/2011
18	EIL/800/11-12/2178	NaniRafudad	Lalpur	03/10/2011
19	EIL/800/11-12/2179	KanVirdi	Lalpur	03/10/2011
20	EIL/800/11-12/2180	KanVirdi	Lalpur	03/10/2011
21	EIL/800/11-12/2181	Babarzar	Lalpur	03/10/2011
22	EIL/800/11-12/2182	Dharampur	Lalpur	02/10/2011
23	EIL/800/11-12/2183	Dharampur	Lalpur	02/10/2011
24	EIL/800/11-12/2184	Dharampur	Lalpur	02/10/2011
25	EIL/800/11-12/2185	Bhangor	Bhanvad	03/10/2011
26	EIL/800/11-12/2186	Sanosari	Lalpur	02/10/2011
27	EIL/800/11-12/2187	Sanosari	Lalpur	02/10/2011
28	EIL/800/11-12/2188	Sanosari	Lalpur	02/10/2011
29	EIL/800/11-12/2189	Sanosari	Lalpur	02/10/2011
30	EIL/800/11-12/2190	Sanosari	Lalpur	02/10/2011

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

Details of Latitude &Longitude for Kutch Site (District Kutch, State- Gujarat):-

S. No.	WEG ID NO	Village	Taluka	Latitude (N)	Longitude (E)
1	EIL/800/11-12/2469	KhombhadiNani	Nakhatrana	23.41978	69.13057
2	EIL/800/11-12/2470	KhombhadiNani	Nakhatrana	23.41771	69.13119
3	EIL/800/11-12/2471	KhombhadiNani	Nakhatrana	23.41545	69.13154
4	EIL/800/11-12/2472	KhombhadiNani	Nakhatrana	23.41463	69.13608
5	EIL/800/11-12/2475	KhombhadiNani	Nakhatrana	23.42289	69.13727
6	EIL/800/11-12/2476	KhombhadiNani	Nakhatrana	23.43353	69.13148
7	EIL/800/11-12/2473	KhombhadiNani	Nakhatrana	23.43568	69.13101
8	EIL/800/11-12/2474	KhombhadiNani	Nakhatrana	23.43891	69.13204
9	EIL/800/11-12/2477	KhombhadiNani	Nakhatrana	23.44566	69.11901
10	EIL/800/11-12/2478	KhombhadiNani	Nakhatrana	23.44863	69.11686
11	EIL/800/11-12/2479	KhombhadiNani	Nakhatrana	23.45061	69.11676
12	EIL/800/11-12/2483	Vigodi	Nakhatrana	23.47575	69.10385
13	EIL/800/11-12/2587	RamparSarva	Nakhatrana	23.46789	69.08344
14	EIL/800/11-12/2494	RamparSarva	Nakhatrana	23.46995	69.08482
15	EIL/800/11-12/2484	Vigodi	Nakhatrana	23.47102	69.08219
16	EIL/800/11-12/2485	Vigodi	Nakhatrana	23.47334	69.08353
17	EIL/800/11-12/2486	Vigodi	Nakhatrana	23.47239	69.08706

18	EIL/800/11-12/2487	Vigodi	Nakhatrana	23.47539	69.08330
19	EIL/800/11-12/2488	Vigodi	Nakhatrana	23.47627	69.08049
20	EIL/800/11-12/2489	Vigodi	Nakhatrana	23.47745	69.08687
21	EIL/800/11-12/2490	Vigodi	Nakhatrana	23.47913	69.08449
22	EIL/800/11-12/2491	Vigodi	Nakhatrana	23.48041	69.07762
23	EIL/800/11-12/2492	Vigodi	Nakhatrana	23.48258	69.06526
24	EIL/800/11-12/2493	Vigodi	Nakhatrana	23.48057	69.06784
25	EIL/800/11-12/2590	Khirsara (Netra)	Nakhatrana	23.47881	69.06922
26	EIL/800/11-12/2591	Khirsara (Netra)	Nakhatrana	23.47680	69.07072
27	EIL/800/11-12/2589	RamparSarva	Nakhatrana	23.44230	69.07665
28	EIL/800/11-12/2495	RamparSarva	Nakhatrana	23.44020	69.07735
29	EIL/800/11-12/2496	RamparSarva	Nakhatrana	23.43439	69.08006
30	EIL/800/11-12/2497	Bandiya	Abdasa	23.41617	69.02001
31	EIL/800/11-12/2480	KhombhadiNani	Nakhatrana	23.43155	69.13112
32	EIL/800/11-12/2481	KhombhadiNani	Nakhatrana	23.42959	69.13235
33	EIL/800/11-12/2482	KhombhadiNani	Nakhatrana	23.44340	69.11945

Details of Latitude &Longitude for Lalpur Site (District Jamnagar, State- Gujarat): -

S. No.	WEG ID NO	Village	Taluka	Latitude (N)	Longitude (E)
1	EIL/800/11-12/2161	NaviPipar	Lalpur	22.15478	69.92386
2	EIL/800/11-12/2162	NaviPipar	Lalpur	22.13751	69.91985
3	EIL/800/11-12/2163	NaviPipar	Lalpur	22.13990	69.92042
4	EIL/800/11-12/2164	NaviPipar	Lalpur	22.15693	69.90534
5	EIL/800/11-12/2165	NaviPipar	Lalpur	22.15503	69.90582
6	EIL/800/11-12/2166	Govana	Lalpur	22.13969	69.89579
7	EIL/800/11-12/2167	Govana	Lalpur	22.14332	69.89474
8	EIL/800/11-12/2168	Govana	Lalpur	22.14399	69.89261
9	EIL/800/11-12/2169	Govana	Lalpur	22.14398	69.88783
10	EIL/800/11-12/2170	Govana	Lalpur	22.13915	69.87166
11	EIL/800/11-12/2171	Govana	Lalpur	22.15328	69.87057
12	EIL/800/11-12/2172	Govana	Lalpur	22.15533	69.87030
13	EIL/800/11-12/2173	Govana	Lalpur	22.15732	69.86990

14	EIL/800/11-12/2174	Govana	Lalpur	22.15861	69.86971
15	EIL/800/11-12/2175	Govana	Lalpur	22.16658	69.86708
16	EIL/800/11-12/2176	Govana	Lalpur	22.16880	69.86664
17	EIL/800/11-12/2177	NaniRafudad	Lalpur	22.18928	69.84754
18	EIL/800/11-12/2178	NaniRafudad	Lalpur	22.19097	69.84445
19	EIL/800/11-12/2179	KanVirdi	Lalpur	22.19205	69.84194
20	EIL/800/11-12/2180	KanVirdi	Lalpur	22.19757	69.84555
21	EIL/800/11-12/2181	Babarzar	Lalpur	22.17319	69.82554
22	EIL/800/11-12/2186	Sanosari	Lalpur	22.06414	69.88709
23	EIL/800/11-12/2187	Sanosari	Lalpur	22.06724	69.89168
24	EIL/800/11-12/2188	Sanosari	Lalpur	22.07579	69.89075
25	EIL/800/11-12/2182	Dharampur	Lalpur	22.12138	69.89119
26	EIL/800/11-12/2183	Dharampur	Lalpur	22.12647	69.89537
27	EIL/800/11-12/2185	Bhangor	Bhanvad	22.12911	69.89381
28	EIL/800/11-12/2184	Dharampur	Lalpur	22.13197	69.90297
29	EIL/800/11-12/2189	Sanosari	Lalpur	22.09688	69.90079
30	EIL/800/11-12/2190	Sanosari	Lalpur	22.09475	69.90079

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 electricity generated by the project is exported to the national grid of India. The project activity involves 63 numbers wind energy converters (WECs) of Enercon make (800 KW, E53) with internal electrical lines connecting the project activity with local evacuation facility. The WECs generate 3-phase power at 400V, which is stepped up to 33 KV to 33kV metering points. From 33 kV metering point‟s electricity transmitted to WWIL Sub-station. At sub-station, electricity is step-up to 132 kV. From WWIL substation, electricity is further evacuated to the state electricity grid at 132kV. The project activity can operate in the frequency range of 48.5–51.5 Hz and in the voltage range of 400 V ± 12.5%. The average life time of the WEC is around 20 years as per the equipment supplier specifications.

The generated electricity is supplied to state grid, Rajasthan under a long-term power purchase agreement (PPA). As per DPR plant load factor is of 23.8%. 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 of 63 Wind turbines of 800kW manufactured and supplied by Enercon. This project Generate 50.4 MW power which is consumed by customers delivered by the Grid. 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 02 years, 03 months in which total estimated electricity generation is 1,00,961 MWh annually and the total GHG emission reduction estimated is 79,315 tCO_2e annually.
The electricity generation for the current monitoring period is 154,325 MWh and total GHG emission reduction is 129,238 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 “Wind Energy Project in Gujarat”, the information and data presented in the MR version 4 dated 05/06/2025 is in line with the Project Concept Note Version 3 date 05/06/2025 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	01/10/2022
End date of monitoring period	31/12/2024
Emission reductions achieved	129,238 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/ Technical Expert	Singh	Ritu	Enviance Services Private Limited	Yes	Yes	Yes
2.	Team Leader in Trainee	Mahajan	Swati	Enviance Services Private Limited	Yes	Yes	Yes
3.	V-V / Technical Expert in 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	Internal	-	Mr. Pankaj Kumar	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: 16/05/2025			
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 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	Kutch and Lalpur sites of Kutch and Jamnagar District, Gujarat State, India	16/05/2025

	Interviews of local Stakeholders		

Interviews

No.	Interview			Date	Subject
	Last name	First name	Affiliation		
1.	Solanki	Dharmesh	Vish Wind Infrastructure LLP (Private entity)	16/05/2025	Project Implementation, Monitoring plan, Project Boundary, Eligibility criteria, Host country requirements, Emission reduction calculations Project implementation, monitoring, Local stakeholder consultation
2.	Gadhavi	Vivek			
3.	Mishra	Priya	Viviid emissions reductions universal private Ltd.		
4.	Vasara	Kishor	Local Stakeholders		
5.	Patel	Mithun			
6.	Gohil	Dilip			
7.	Jain	Harshit			

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	01	-
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	-	-	-
- Project boundary, sources and GHGs	-	-	-
- Baseline scenario	-	-	-
- Estimation of emission reductions or net anthropogenic removals	01	01	-
- Monitoring Report	-	02	-
Start date, crediting period and duration	-	-	-

Environmental impacts	-	-	-
Project Owner- Identification and communication	-	-	-
Others (please specify)	01	-	-
Total	**04**	**04**	-

Project Verification findings

Identification and eligibility of project type

Means of Project Verification	The project has an installation of a 50.4 MW (0.8 MW x 63) 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 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 50.4 MW (0.8 MW x 63) of 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 50.4 MW (Kutch and Lalpur sites, Kutch and Jamnagar Districts, 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 Kutch and Lalpur sites, Kutch and Jamnagar Districts, Gujarat, India. The approximate geo-coordinates of the project locations are mentioned below.

Details of Latitude &Longitude for Kutch Site (District Kutch, State-Gujarat):-

S. No.	WEG ID NO	Village	Taluka	Latitude (N)	Longitude (E)
1	EIL/800/11-12/2469	KhombhadiNani	Nakhatrana	23.41978	69.13057
2	EIL/800/11-12/2470	KhombhadiNani	Nakhatrana	23.41771	69.13119
3	EIL/800/11-12/2471	KhombhadiNani	Nakhatrana	23.41545	69.13154
4	EIL/800/11-12/2472	KhombhadiNani	Nakhatrana	23.41463	69.13608
5	EIL/800/11-12/2475	KhombhadiNani	Nakhatrana	23.42289	69.13727
6	EIL/800/11-12/2476	KhombhadiNani	Nakhatrana	23.43353	69.13148
7	EIL/800/11-12/2473	KhombhadiNani	Nakhatrana	23.43568	69.13101
8	EIL/800/11-12/2474	KhombhadiNani	Nakhatrana	23.43891	69.13204
9	EIL/800/11-12/2477	KhombhadiNani	Nakhatrana	23.44566	69.11901
10	EIL/800/11-12/2478	KhombhadiNani	Nakhatrana	23.44863	69.11686
11	EIL/800/11-12/2479	KhombhadiNani	Nakhatrana	23.45061	69.11676
12	EIL/800/11-12/2483	Vigodi	Nakhatrana	23.47575	69.10385
13	EIL/800/11-12/2587	RamparSarva	Nakhatrana	23.46789	69.08344

14	EIL/800/11-12/2494	RamparSarva	Nakhatrana	23.46995	69.08482
15	EIL/800/11-12/2484	Vigodi	Nakhatrana	23.47102	69.08219
16	EIL/800/11-12/2485	Vigodi	Nakhatrana	23.47334	69.08353
17	EIL/800/11-12/2486	Vigodi	Nakhatrana	23.47239	69.08706
18	EIL/800/11-12/2487	Vigodi	Nakhatrana	23.47539	69.08330
19	EIL/800/11-12/2488	Vigodi	Nakhatrana	23.47627	69.08049
20	EIL/800/11-12/2489	Vigodi	Nakhatrana	23.47745	69.08687
21	EIL/800/11-12/2490	Vigodi	Nakhatrana	23.47913	69.08449
22	EIL/800/11-12/2491	Vigodi	Nakhatrana	23.48041	69.07762
23	EIL/800/11-12/2492	Vigodi	Nakhatrana	23.48258	69.06526
24	EIL/800/11-12/2493	Vigodi	Nakhatrana	23.48057	69.06784
25	EIL/800/11-12/2590	Khirsara (Netra)	Nakhatrana	23.47881	69.06922
26	EIL/800/11-12/2591	Khirsara (Netra)	Nakhatrana	23.47680	69.07072
27	EIL/800/11-12/2589	RamparSarva	Nakhatrana	23.44230	69.07665
28	EIL/800/11-12/2495	RamparSarva	Nakhatrana	23.44020	69.07735
29	EIL/800/11-12/2496	RamparSarva	Nakhatrana	23.43439	69.08006
30	EIL/800/11-12/2497	Bandiya	Abdasa	23.41617	69.02001
31	EIL/800/11-12/2480	KhombhadiNani	Nakhatrana	23.43155	69.13112
32	EIL/800/11-12/2481	KhombhadiNani	Nakhatrana	23.42959	69.13235
33	EIL/800/11-12/2482	KhombhadiNani	Nakhatrana	23.44340	69.11945

Details of Latitude &Longitude for Lalpur Site (District Jamnagar, State- Gujarat): -

S. No.	WEG ID NO	Village	Taluka	Latitude (N)	Longitude (E)
1	EIL/800/11-12/2161	NaviPipar	Lalpur	22.15478	69.92386

	2	EIL/800/11-12/2162	NaviPipar	Lalpur	22.13751	69.91985
	3	EIL/800/11-12/2163	NaviPipar	Lalpur	22.13990	69.92042
	4	EIL/800/11-12/2164	NaviPipar	Lalpur	22.15693	69.90534
	5	EIL/800/11-12/2165	NaviPipar	Lalpur	22.15503	69.90582
	6	EIL/800/11-12/2166	Govana	Lalpur	22.13969	69.89579
	7	EIL/800/11-12/2167	Govana	Lalpur	22.14332	69.89474
	8	EIL/800/11-12/2168	Govana	Lalpur	22.14399	69.89261
	9	EIL/800/11-12/2169	Govana	Lalpur	22.14398	69.88783
	10	EIL/800/11-12/2170	Govana	Lalpur	22.13915	69.87166
	11	EIL/800/11-12/2171	Govana	Lalpur	22.15328	69.87057
	12	EIL/800/11-12/2172	Govana	Lalpur	22.15533	69.87030
	13	EIL/800/11-12/2173	Govana	Lalpur	22.15732	69.86990
	14	EIL/800/11-12/2174	Govana	Lalpur	22.15861	69.86971
	15	EIL/800/11-12/2175	Govana	Lalpur	22.16658	69.86708
	16	EIL/800/11-12/2176	Govana	Lalpur	22.16880	69.86664
	17	EIL/800/11-12/2177	NaniRafudad	Lalpur	22.18928	69.84754
	18	EIL/800/11-12/2178	NaniRafudad	Lalpur	22.19097	69.84445
	19	EIL/800/11-12/2179	KanVirdi	Lalpur	22.19205	69.84194
	20	EIL/800/11-12/2180	KanVirdi	Lalpur	22.19757	69.84555
	21	EIL/800/11-12/2181	Babarzar	Lalpur	22.17319	69.82554
	22	EIL/800/11-12/2186	Sanosari	Lalpur	22.06414	69.88709
	23	EIL/800/11-12/2187	Sanosari	Lalpur	22.06724	69.89168
	24	EIL/800/11-12/2188	Sanosari	Lalpur	22.07579	69.89075
	25	EIL/800/11-	Dharampur	Lalpur	22.12138	69.89119

		12/2182				
	26	EIL/800/11-12/2183	Dharampur	Lalpur	22.12647	69.89537
	27	EIL/800/11-12/2185	Bhangor	Bhanvad	22.12911	69.89381
	28	EIL/800/11-12/2184	Dharampur	Lalpur	22.13197	69.90297
	29	EIL/800/11-12/2189	Sanosari	Lalpur	22.09688	69.90079
	30	EIL/800/11-12/2190	Sanosari	Lalpur	22.09475	69.90079

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, CL 03 and CAR 04 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	No findings raised.
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 and MR Ver.4. 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. 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 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 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 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 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 (tCO_2/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 CO_2 emission factor for grid connected power generation in year y (tCO_2/MWh) 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.[4] 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

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

	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 (LEy = 0). **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: 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 start date of the Project is from 02/10/2011 which is the earliest Commissioning date and the last commissioning date is 31/03/2012. The project activity was registered under Clean Development Mechanism (CDM) project with registration number 6484, as well as Gold Standard (GS) with reference number 4426. The crediting period of this project under CDM & GS is 01/12/2012 to 30/09/2022. For the ease of the calculation, duration of the crediting period in UCR is started from 01/10/2022 to 31/12/2024

The estimated emission reductions are 79,315 CoUs/yr (79,315 tCO2eq/yr)

Year	Net Generation	Baseline Emissions	Project Emissions	Leakage	Emission Reductions
	MWh	(tCO_2e)	(tCO_2e)	(tCO_2e)	(tCO_2e)
Year 1	100961.00	90864.90	0.00	0.00	90864.90
Year 2	100961.00	90864.90	0.00	0.00	90864.90
year 3	100961.00	76427.48	0.00	0.00	76427.48
Year 4	100961.00	76427.48	0.00	0.00	76427.48
Year 5	100961.00	76427.48	0.00	0.00	76427.48
Year 6	100961.00	76427.48	0.00	0.00	76427.48
Year 7	100961.00	76427.48	0.00	0.00	76427.48
Year 8	100961.00	76427.48	0.00	0.00	76427.48
Year 9	100961.00	76427.48	0.00	0.00	76427.48
Year 10	100961.00	76427.48	0.00	0.00	76427.48
Total Emission reduction	**1009610**	**793149**	**0**	**0**	**793149**
Average Emission Reduction	100961	79315	0	0	79,315

The actual emission reduction achieved during the first CoU's period (01/10/2022 to 31/12/2024) as per the Project Activity:

Actual Total baseline emission reductions (BEy)= 129,238 CoUs (129,238 tCO2eq)

Vintage Year	Net Generation in MWh	Grid Emission Factor	Emission Reduction(tCO_2)
01/10/2022 to 31/12/2022	8,802.498	0.9	7,922
01/01/2023 to 31/12/2023	78,009.947	0.9	70,208
01/01/2024 to 31/12/2024	67,513.006	0.757	51,107
Total	**1,54,325**		**1,29,238**

Findings

CL 04 and CAR 02 were raised and closed successfully. More information presented 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;

(.a.vi) Monitoring Report

Means of

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 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.

Meters details:

Site	**WWIL Sub-station**	**Line No/**	**Meter Type**	**Meter No**	**Calibration Date**	**Calibration validity**
Lalpur	220kV Tebhda (Dharampur)	Line 1	Main	GJ-0950A	18 /12/2020	17/12/2025
			Check	GJU62418	13/06/2021	12/06/2026
		Line 2	Main	GJ-0947A	18/12/2020	17/12/2025
			Check	GJU62417	13/06/2021	12/06/2026
		Line 1	Main	GJ-0978-A	25/05/2021	24/05/2026

	Kutch	33/66 kV Rasaliya (Kotda Jadoar)		Check	GJU63159	25/05/2021	24/05/2026
			Line 2	Main	GJ-0979-A	26/05/2021	25/05/2026
				Check	GJU63158	26/05/2021	25/05/2026

There was no delay in calibration of meters for this monitoring period.

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	CAR 01 and CAR 03 were raised and closed successfully. More information presented appendix below.
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	No findings raised.
Conclusion	The project has chosen crediting period start date in UCR as 01/10/2022. The crediting period is chosen as 01/10/2022 to 31/12/2024 and the crediting period for the current monitoring period is 01/10/2022 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	No findings raised
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: Vish Wind Infrastructure LLP (Private entity)

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	CL 02 was raised and closed successfully. More information presented appendix below.
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	No findings raised.
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 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 50.4 MW of large-scale wind power project located at Kutch and Lalpur sites, Kutch and Jamnagar Districts, Gujarat State, 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 129,238 tCO2eq during the monitoring period i.e. from 01/10/2022 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 large-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. Pankaj Kumar** worked as team leader – Bihar for South Asia Climate Proofing and Growth Development (CPGD) – Climate Change Innovation Programme (CCIP) supported by DFID that seeks to mainstream climate change resilience into planning and budgeting at the national and sub-national level in India, Pakistan, Nepal, and Afghanistan. Pankaj Kumar has worked previously with IL&FS Infrastructure Development Corporation and BUIDCO (Bihar Urban Infrastructure Development Corporation), Govt. of Bihar as Environmental Specialist for WB & ADB funded projects. Prior to this, he worked with Carbon Check (UNFCCC accredited DoE), Johannesburg, RSA, Applus certification as Team Leader for validation, verification of around 100 GHG projects in Asia, Africa, USA, Asia Pacific & Americas. Pankaj is accredited Lead Auditor, Validator, Verifier and Technical Expert for Sectoral Scope/Technical Area – 1.1, 1.2, 3.1, 4.1, 13.1 by Enviance. He is also member of task force on climate change & human health, Health Department, GoB and on roster of UNICEF's WASH experts. He is an experienced, qualified and result oriented Environment Professional having more than 14 yrs. of relevant experience in Climate Change (Mitigation & Adaptation), Environmental Due Diligence, Disaster Risk Reduction, Validation and Verification of GHG project under CDM, Verified Carbon Standard, Gold Standard & Social Carbon Standard, Brazil. He provides technical support for environmental investigative, consultative and remedial projects involving air, water and soil, Waste management, EIA, Environmental Compliance, ISO 14001, OHSAS 18001, GHG accounting (ISO 14064) and Carbon foot printing. Pankaj Kumar is Masters in Environment Management from Forest Research Institute (University), I.C.F.R.E, Dehradun, which is Centre of Excellence in South East Asia for Forestry education & research and PGDEL from National Law School of India University, Bangalore (India).

❖ **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	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		Universal Carbon Registry
13	CDM	CDM approved methodology- ACM0002- Consolidated baseline methodology for grid-connected electricity generation from renewable sources -Version 22.0.		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**	**MR**
Finding Description	**Date:**		**22/05/2025**
1. 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. 2. PP shall submit the commissioning certificate of the project activity.			
Client/Responsible Party/Project Proponent Response	**Date:**		**24-05-2025**
1.PP has submitted the no double counting for current monitoring period and for project activity has neither been register nor seeking registration under any ghg program. 2.PP has submitted.			
Validation/Verification Team Assessment	**Date:**		**28/05/2025**
1. PP has submitted the no double counting certificate and on assessment it was verified that the project activity has neither been registered nor seeking registration under any other GHG programs and also there is no double counting of emission reduction for the current monitoring period. 2. PP has submitted the commissioning certificates but commissioning details of few locations is still pending. PP shall submit the same to ensure the consistency. Hence, CL 01 is open.			
Client/Responsible Party/Project Proponent Response	**Date:**		**31/05/2025**
2.PP has submitted the certificates.			
Validation/Verification Team Assessment	**Date:**		**04/06/2025**
1. PP has submitted the no double counting certificate and on assessment it was verified that the project activity has neither been registered nor seeking registration under any other GHG programs and also there is no double counting of emission reduction for the current monitoring period. 2. PP has provided the link of the previous registration of project in CDM and GS registry. Commissioning certificates of few sites are unavailable so during assessment, verifier has cross checked the commissioning dates with the documents which are registered in CDM and GS. On assessment all the dates were found to be consistent in MR version 4.0. Hence, CL 01 is closed.			

Classification	☐ **CAR** ☒ **CL/CR** ☐ **FAR**	**Number:**	**02**
Raised by:	**Ms. Ritu Singh**	**Document Reference**	**MR**
Finding Description		**Date:**	**22/05/2025**
1. PP has claimed SDG 8 for the project activity. Supporting documents are to be provided for the same.			

2. PP shall submit the names of the local stakeholders.		
Client/Responsible Party/Project Proponent Response	**Date:**	**24/05/2025**
1.PP Has submitted the supporting documents. 2.PP has submitted the names.		
Validation/Verification Team Assessment	**Date:**	**28/05/2025**
1. PP has submitted employment list of locally hired people. On assessment it was verified that the project activity aligns with SDG 8. 2. PP has submitted the names of the local stakeholders. Hence, CL 02 is closed.		

Classification	☐ **CAR** ☒ **CL/CR** ☐ **FAR**	**Number:**	**03**
Raised by:	**Ms. Ritu Singh**	**Document Reference**	**MR**
Finding Description		**Date:**	**22/05/2025**
1. PP shall submit meter photographs of Lalpur site to the assessment team. 2. PP shall submit the single line diagram of the project activity. 3. PP shall submit the photographs of the project activity. 4. PP shall submit the DPR of the project activity.			
Client/Responsible Party/Project Proponent Response		**Date:**	**24-05-2025**
1.PP has submitted the meter photos. 2.PP has submitted the single line diagram. 3.PP has submitted the photographs 4. PP clarifies that the project was first commissioned in 2011, with the Detailed Project Report (DPR) prepared two years earlier, in 2009. As the project is old, PP no longer has the DPR. To verify the technical details of the Wind Turbine Generators (WTGs), PP has provided a link to the project's prior registration with CDM and GS, where validation and verification have already been completed.			
Validation/Verification Team Assessment		**Date:**	**28/05/2025**
1. PP has submitted the meter photos but the submitted photos are of Kutch site. PP shall submit the meter photos of Lalpur site to ensure the consistency with the submitted calibration certificate. 2. PP has not yet submitted the single line diagram of the project activity. 3. PP has submitted the photographs of the project activity and the same was verified by the verification team. 4. All the details regarding project activity is verified with the monitoring report registered in CDM and GS. Hence, CL 03 is open.			
Client/Responsible Party/Project Proponent Response		**Date:**	**31/05/2025**
1.PP has submitted the meter photos of Lalpur sites. 2. PP has submitted the SLD			
Validation/Verification Team Assessment		**Date:**	**04/06/2025**
1. PP has submitted the meter photos of Kutch site and Lalpur site. On assessment verification team has verified that the submitted photographs are consistent with the calibration certificates. 2. PP has submitted the single line diagram of the project activity and the			

same has been verified. 3. PP has submitted the photographs of the project activity and the same was verified by the verification team. 4. All the details regarding project activity is verified with the monitoring report registered in CDM and GS. Hence, CL 03 is closed.

Classification	☐ **CAR** ☒ **CL/CR** ☐ **FAR**	**Number:**	**04**
Raised by:	**Ms. Ritu Singh**	**Document Reference**	**MR**
Finding Description		**Date:**	**22/05/2025**
PP shall submit supporting documents of few JMR readings.			
Client/Responsible Party/Project Proponent Response		**Date:**	**24/05/2025**
PP has submitted the Pending JMR.			
Validation/Verification Team Assessment		**Date:**	**28/05/2025**
PP has submitted the pending JMR and on verification all the values mentioned in excel sheet were found consistent with submitted supporting documents. Hence, CL 04 is closed.			

Table 2. CARs from this Project Verification

Classification	☒ **CAR** ☐ **CL/CR** ☐ **FAR**	**Number:**	**01**
Raised by:	**Ms. Ritu Singh**	**Document reference**	**PCN & MR**
Finding Description		**Date:**	**22/05/2025**
PP to indicate frequency of the calibration under section C.10. of MR			
Client/Responsible Party/Project Proponent Response		**Date:**	**24-05-2025**
PP wants to clarify that the frequency of calibration of meters are already added in the section C.10 of MR. Kindly check.			
Validation/Verification Team Assessment		**Date:**	**28/05/2025**
PP has mentioned the frequency of calibration in section C.10 of MR and the same was verified in MR version 2.0. Hence, CAR 01 is closed.			

Classification	☒ **CAR** ☐ **CL/CR** ☐ **FAR**	**Number:**	**02**
Raised by:	**Ms. Ritu Singh**	**Document Reference**	**MR**
Finding Description		**Date:**	**22/05/2025**
The project title mentioned on cover page of excel sheet of estimated emission reduction is irrelevant to the project activity. Correction sought.			
Client/Responsible Party/Project Proponent Response		**Date:**	**28/05/2025**

PP has modified the cover page of the excel		
Validation/Verification Team Assessment	**Date:**	**04/06/2025**
PP has corrected the title of the project activity on excel sheet of estimated emission reduction and the same has been verified in updated excel sheet. Hence, CAR 02 is closed.		

Classification	☒ **CAR** ☐ **CL/CR** ☐ **FAR**	**Number:**	**03**
Raised by:	**Ms. Ritu Singh**	**Document Reference**	**PCN**
Finding Description		**Date:**	**22/05/2025**
Under section B.8. of PCN and C.10 of MR, Egy,net parameter is inconsistent. Corrective action sought.			
Client/Responsible Party/Project Proponent Response		**Date:**	**28/05/2025**
PP has modified the section B.8 of PCN and C.10 of MR			
Validation/Verification Team Assessment		**Date:**	**04/06/2025**
PP has made corrections in the net parameter in section B.8 of PCN and C.10 of MR and the same was verified in PCN version 2.0 and MR version 3.0. Hence, CAR 03 is closed.			

Classification	☒ **CAR** ☐ **CL/CR** ☐ **FAR**	**Number:**	**04**
Raised by:	**Ms. Ritu Singh**	**Document Reference**	**PCN & MR**
Finding Description		**Date:**	**28/05/2025**
1. Commissioning dates of few locations of Lalpur site are inconsistent with the submitted commissioning certificate. Correction sought. 2. In the table of commissioning details of Lalpur site, names of all villages are inconsistent with the names mentioned in commissioning certificate. Correction sought PP shall make corrections in both PCN & MR.			
Client/Responsible Party/Project Proponent Response		**Date:**	**28-05-2025**
1.PP has inline the Commissioning dates of locations of Lalpur site as mentioned in the commissioning certificate. 2 PP has modified the commissioning details in MR and PCN of lalpur site as per the commissioning certificate.			
Validation/Verification Team Assessment		**Date:**	**04/06/2025**
1. PP has made corrections in Commissioning dates of locations of Lalpur site. On assessment all the dates were found to be consistent with the dates mentioned in the commissioning certificate. The same has been verified in MR version 4.0. 2. PP has modified the names of villages in table of commissioning details of Lalpur site. On assessment it was concluded that the names of villages are consistent with the submitted commissioning certificate. He same has been verified in MR version 4.0 and PCN version 3.0. Hence, CAR 04 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~~