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	02/07/2025
Title of the project activity	Clean Energy Project in the State of Tamil Nadu
Project reference no. (as provided by UCR Program)	UCR 499
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 Clean Energy Project in the State of Tamil Nadu. ☒ The Project Owner has correctly described the Project Activity in the Project Concept Note 1.2 (dated 24*/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 18,251 tCO_{2e} annually, as indicated in the PCN, which are additional to the reductions that are likely to occur in absence of the Project Activity and complies with all applicable UCR rules, including ISO 14064-2 and ISO 14064-3. ☒ The Project Activity is not likely to cause any net-harm to the environment and/or society ☒ The Project Activity complies with all the applicable UCR rules[1] and therefore recommends UCR Program to register the Project activity with above mentioned labels.
Project Verification Report, reference number and date of approval	Verification Report UCR Reference number: 499 Date of approval: 03/07/2025

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

Name of the authorised personnel of UCR Project Verifier and his/her signature with date	 Vidhya Muralikrishna Quality Manager Date:03/07/2025

PROJECT VERIFICATION REPORT

Executive summary

The project activity is titled- "Clean Energy Project in the State of Tamil Nadu". It is a wind-power Project located in Kanarpatti, Ettankulam, Kalakudi, Kuruchikulam, Ukkirankottai, Vagaikulam, Kattarankulam and Melelanthaikulam villages of Tirunelveli district, in the state of Tamil Nadu in India. The project consists of 18 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). Ownership of project has been changed from 'Vish Wind Infrastructure LLP.' to 'Vaayu Renewable Energy (Tapti) Pvt. Ltd.'. During the change of ownership, PPA of project activity has also been changed. Post change of ownership electricity generated from project activity will be used for third party sale to SRF Limited instead of sale to state utility. A third-party sale agreement has been signed between the PP 'Vaayu Renewable Energy (Tapti) Pvt. Ltd' & 'SRF Limited'. The first machine under the project activity was commissioned on 29th September 2011 and last machine under the project activity was commissioned on 31st January 2012. The project has been operational since the earliest commissioning date.
The project activity is registered under Clean Development Mechanism (CDM) project with registration number 7537[2].The crediting period of this project under CDM is 06/12/2012 to 05/12/2022. PP seeks verification under UCR from 01/01/2023 onwards, i.e., crediting period for UCR starts from 01/01/2023.
Hence, there is no double counting for said project activity.

The project consists of 18 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:

Sr No.	HTSC No.	No of WEGs Connected	Date of Commissioning
1	3914	01	29/09/2011
2	3915	01	29/09/2011
3	3916	01	29/09/2011
4	3917	01	29/09/2011
5	3918	01	29/09/2011
6	3919	01	29/09/2011
7	3920	01	29/09/2011
8	3921	01	29/09/2011
9	3947	01	30/09/2011
10	3948	01	30/09/2011
11	3949	01	30/09/2011
12	3954	01	07/10/2011
13	3955	01	07/10/2011

[2] CDM: Clean Energy Project in the State of Tamil Nadu

14	3957	01	20/10/2011
15	3959	01	21/10/2011
16	3981	01	28/12/2011
17	3986	01	10/01/2012
18	3999	01	31/01/2012

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

Vagaikulam Site, Tirunelveli District, Tamil Nadu											
Sl. No	**Loc. No.**					**Latitude (N)**			**Longitude (E)**		
		HTSC No	**Village**	**Taluka**	**District**	**Deg.**	**Minutes**	**Seconds**	**Deg**	**Minutes**	**Seconds**
1	V200	3957	Kanarpatti	Tirunelveli	Tirunelveli	8	52	57.09	77	38	51.01
2	118	3919	Kattaran kulam	Tirunelveli	Tirunelveli	8	55	21	77	40	24.28
3	V177	3947	Ettankul am	Tirunelveli	Tirunelveli	8	52	59.92	77	38	12.89
4	V98	3914	Kalakudi	Tirunelveli	Tirunelveli	8	53	17.24	77	36	21.54
5	V50	3915	Kuruchi kulam	Tirunelveli	Tirunelveli	8	52	49.24	77	35	10.4
6	V52	3916	Kuruchi kulam	Tirunelveli	Tirunelveli	8	52	31.66	77	35	7.49
7	SF 141	3917	Kuruchi kulam	Tirunelveli	Tirunelveli	8	52	53.03	77	34	59.05
8	168	3918	Vagaikulam	Tirunelveli	Tirunelveli	8	54	51.25	77	36	56.19
9	117	3949	Ukkirankottai	Tirunelveli	Tirunelveli	8	55	13.76	77	36	36.15
10	173	3986	Vagaikulam	Tirunelveli	Tirunelveli	8	55	0	77	37	22.1
11	170	3955	Vagaikulam	Tirunelveli	Tirunelveli	8	54	41.45	77	36	37.58
12	135	3948	Ukkirankottai	Tirunelveli	Tirunelveli	8	55	4.55	77	36	37.69
13	136	3959	Kanarpatti	Tirunelveli	Tirunelveli	8	53	5.5	77	38	45.7
14	V76	3954	Kuruchikulam	Tirunelveli	Tirunelveli	8	52	38.92	77	35	38.99
15	126	3981	Kattarankulam	Tirunelveli	Tirunelveli	8	55	17	77	41	9.7

16	120	3920	Melelanthaikulam	Sankarankoil	Tirunelveli	8	55	36.2 5	77	40	42.29
17	V213	3921	Kanarpatti	Tirunelveli	Tirunelveli	8	53	21.9 5	77	39	23.63
18	V202	3999	Kanarpatti	Tirunelveli	Tirunelveli	8	52	33.8	77	38	56.4

Proposed wind power project has evolved as a result of the policies of Government of India and Government of Tamil Nadu, 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 used for third party sale to SRF Limited instead of sale to state utility. A third-party sale agreement has been signed between the PP 'Vaayu Renewable Energy (Tapti) Pvt. Ltd' & 'SRF Limited'. The project activity involves 18 numbers wind energy converters (WECs) of Enercon make (800 KW, E53) with internal electrical lines connecting the project activity with local evacuation facility. The project involves the supply, erection, commissioning, and ongoing operation of the WECs. These machines generate 3-phase power at 400V, stepped up to 33 kV, and operate within a frequency range of 47.5–51.5 Hz and a voltage range of 400 V ± 12.5%. The electricity is supplied to Tamil Nadu Generation & Distribution Corporation Ltd. In GHG Emission Reductions. The average life time of the WEC is around 20 years as per the equipment supplier specifications.

As per DPR plant load factor is of 24.33%. 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 18 Wind turbines of 800kW manufactured and supplied by Enercon. This project Generate 14.4 MW power which is consumed by SRF Ltd. 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 02 years, 00 months in which total estimated electricity generation is 23,232 MWh annually and the total GHG emission reduction estimated is 18,251 tCO_2e annually.
The electricity generation for the current monitoring period is 54,962 MWh and total GHG emission reduction is 45,673 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 "Clean Energy Project in the State of Tamil Nadu", the information and data presented in the MR version 1.2 dated 27/06/2025 is in line with the Project Concept Note Version 1.2 date 24/06/2025 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	01/01/2023
End date of monitoring period	31/12/2024
Emission reductions achieved	45,673 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

Technical reviewer and approver of the Project Verification report

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of UCR Project Verifier or outsourced entity)
1.	Technical reviewer	Contracted	-	Mr. Vijayanand	External Expert
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: 16/06/2025			
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	Kanarpatti, Ettankulam, Kalakudi, Kuruchikulam, Ukkirankottai, Vagaikulam, Kattarankulam and Melelanthaikulam villages of Tirunelveli district, in the state of Tamil Nadu in India	16/06/2025

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

Interviews

No.	Interview			Date	Subject
	Last name	First name	Affiliation		
1.	R.	Palani	Vaayu Renewable Energy (Tapti) Pvt. Ltd. (Private) (Private entity)	16/06/2025	Project Implementation, Monitoring plan, Project Boundary, Eligibility criteria, Host country requirements, Emission reduction calculations Project implementation, monitoring, Local stakeholder consultation
2.	-	Chandrashekhar			
3.	Singh	Suther			
4.	Pathak	Nidhi	Viviid emissions reductions universal private Ltd.		
5.	-	Naveen	Local Stakeholders		
6.	-	Ganesh			
7.	-	Ramchandra			
8.	Muthu	Raja			
9.	Prasad	Hari			
10.	Thanga	Vighnesh			

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	-	01	-
- Application of methodologies and standardized baselines	-	-	-
- Deviation from methodology and/or methodological tool	-	-	-
- Clarification on applicability of methodology, tool and/or standardized baseline	02	-	-
- Project boundary, sources and GHGs	-	-	-
- Baseline scenario	-	-	-
- Estimation of emission reductions or net anthropogenic removals	01	01	-
- Monitoring Report	-	01	-
Start date, crediting period and duration	-	01	-
Environmental impacts	-	-	-
Project Owner- Identification and communication	01	-	-
Others (please specify)	01	-	-
Total	**07**	**04**	-

Project Verification findings

Identification and eligibility of project type

Means of Project Verification	The project has an installation of a 14.4 MW (0.8 MW x 18) wind power capacity and hence it qualifies as a large-scale project. This is confirmed based on the commissioning certificates and technical specifications. Initially, PDD for the proposed project activity was webhosted under small scale project activity (period from19/11/2011 to 18/12/2011) in CDM. However, during validation process and site visit observation dated 27/12/2011 and 28/12/2011, it is noted that some of WEC's (Loc no-119,121,122) are located within 1 km of the project boundary of the proposed project activity from the same PP. Further these WECs are a part of another registered CDM project activity with reg. No. 4846 registered on 08/07/2011. The capacities of the registered and the proposed project activity are 8MW and 14.4MW, respectively which together would cross the capacity limit for small scale project activity as proposed by simplified modalities and procedures for small scale project activities. Hence it was VALIDATION REPORT CDM Validation Report N° 2011-MU-41-MD, Rev. 2.0 24 CDM_VAL_REP-05-10 confirmed by the validation team that the proposed project activity is deemed to be the debundled component of large-scale project activity as per the guidelines on assessment of de-bundling for SSC project activities. In view of the above, PDD,version 1.0 of 13/01/2012 was re-webhosted under large scale activity with the applicable requirements (period 10/02/2012 to 10/03/2012). On the basis of the information stated above, the verifier has verified the project activity as a large-scale project. 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

The project activity involves the operation of a 14.4 MW (0.8 MW x 18) 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 14.4 MW (Kanarpatti, Ettankulam, Kalakudi, Kuruchikulam, Ukkirankottai, Vagaikulam, Kattarankulam and Melelanthaikulam Villages, Tirunelveli District, Tamil Nadu, 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 Kanarpatti, Ettankulam, Kalakudi, Kuruchikulam, Ukkirankottai, Vagaikulam, Kattarankulam and Melelanthaikulam Villages, Tirunelveli District, Tamil Nadu, India. The approximate geo-coordinates of the project locations are mentioned below.

Details of Latitude &Longitude for the project site: -

Vagaikulam Site, Tirunelveli District, Tamil Nadu

Sl. No	Loc. No.	HTSC No	Village	Taluka	District	Latitude (N)			Longitude (E)		
						Deg.	Minutes	Seconds	Deg	Minutes	Seconds
1	V200	3957	Kanarpatti	Tirunelveli	Tirunelveli	8	52	57.09	77	38	51.01
2	118	3919	Kattarankulam	Tirunelveli	Tirunelveli	8	55	21	77	40	24.28
3	V177	3947	Ettankulam	Tirunelveli	Tirunelveli	8	52	59.92	77	38	12.89
4	V98	3914	Kalakudi	Tirunelveli	Tirunelveli	8	53	17.24	77	36	21.54
5	V50	3915	Kuruchi kulam	Tirunelveli	Tirunelveli	8	52	49.24	77	35	10.4
6	V52	3916	Kuruchi kulam	Tirunelveli	Tirunelveli	8	52	31.66	77	35	7.49
7	SF 141	3917	Kuruchi kulam	Tirunelveli	Tirunelveli	8	52	53.03	77	34	59.05
8	168	3918	Vagaikulam	Tirunelveli	Tirunelveli	8	54	51.25	77	36	56.19
9	117	3949	Ukkirankottai	Tirunelveli	Tirunelveli	8	55	13.76	77	36	36.15
10	173	3986	Vagaikulam	Tirunelveli	Tirunelveli	8	55	0	77	37	22.1
11	170	3955	Vagaikulam	Tirunelveli	Tirunelveli	8	54	41.45	77	36	37.58
12	135	3948	Ukkirankottai	Tirunelveli	Tirunelveli	8	55	4.55	77	36	37.69
13	136	3959	Kanarpatti	Tirunelveli	Tirunelveli	8	53	5.5	77	38	45.7

14	V76	3954	Kuruchikulam	Tirunelveli	Tirunelveli	8	52	38.9 2	77	35	38.99
15	126	3981	Kattarankulam	Tirunelveli	Tirunelveli	8	55	17	77	41	9.7
16	120	3920	Melelant haikula m	Sankarankoil	Tirunelveli	8	55	36.2 5	77	40	42.29
17	V213	3921	Kanarpatti	Tirunelveli	Tirunelveli	8	53	21.9 5	77	39	23.63
18	V202	3999	Kanarpatti	Tirunelveli	Tirunelveli	8	52	33.8	77	38	56.4

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

The Project is a wind power project, to utilize wind energy to generate zero carbon emission electricity which is mainly dominated by fossil fuel power output. The project includes integrated power transmission mechanism, high performance rotor blades, dual speed asynchronous generator, microprocessor based fully automatic control system with user friendly operation and central monitoring system. Quality, Safety and Health plan for construction, installation, commissioning and Operation & Maintenance. Microprocessor controlled high efficiency soft start. Active Yaw gear drives incorporating hydraulic yaw brakes.

Findings	CL 01 and CL 03 were raised and closed successfully. More information presented in the appendix below.
Conclusion	The description of the project activity is verified to be true based on the review of PCN, MR, Commissioning Certificate and power purchase agreement.

Application and selection of methodologies and standardized baselines

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

Means of Project Verification	The project has taken the reference of CDM methodology 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	CAR 04 was raised and closed successfully. More information presented in the appendix below.
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 05 and CL 06 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 and MR Ver.1.2. The selected CDM methodology for the project activity is applicable.

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

Means of Project Verification	Project owner has considered project boundary as per applicable methodology 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.[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

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

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 29/09/2011 which is the earliest Commissioning date and the last commissioning date is 31/01/2012. The project activity was registered under Clean Development Mechanism (CDM) project with registration number 7537. The crediting period of this project under CDM is 06/12/2012 to 05/12/2022.
For the ease of the calculation, duration of the crediting period in UCR is started from 01/01/2023 to 31/12/2024.

The estimated emission reductions are 18,251 CoUs/yr (18,251 tCO2eq/yr)

Year	Net Generation	Baseline Emissions	Project Emissions	Leakage	Emission Reductions
	MWh	(tCO_2e)	(tCO_2e)	(tCO_2e)	(tCO_2e)
Year 1	23232.00	20908.80	0.00	0.00	20908.80
Year 2	23232.00	20908.80	0.00	0.00	20908.80
year 3	23232.00	17586.62	0.00	0.00	17586.62
Year 4	23232.00	17586.62	0.00	0.00	17586.62

Year 5	23232.00	17586.62	0.00	0.00	17586.62
Year 6	23232.00	17586.62	0.00	0.00	17586.62
Year 7	23232.00	17586.62	0.00	0.00	17586.62
Year 8	23232.00	17586.62	0.00	0.00	17586.62
Year 9	23232.00	17586.62	0.00	0.00	17586.62
Year 10	23232.00	17586.62	0.00	0.00	17586.62
Total Emission reduction	**232320**	**182510**	**0**	**0**	**182510**
Average Emission Reduction	23232	18251	0	0	18,251

The actual emission reduction achieved during the first CoU's period (01/01/2023 to 31/12/2024) as per the Project Activity:

Actual Total baseline emission reductions (BEy)= 45,673 CoUs (45,673 tCO2eq)

Sr. No.	**Year**	**Capacity**	**Total EGy ,Net Generation**	**Total EGy ,Net Generation**	**Emission Factor**	**Baseline Emissions (BE)**	**Project Emissions (PE)**	**Emission Reductions**
		MW	**kWh**	**MWh**	**tCO2/ mWh**	**tCO 2e**	**tCO 2e**	**tCO2e**
1	01-01-2023 to 31-12-2023	14.4	28445 044.87	28445.0 4487	0.9	25600	0	25600
2	01-01-2024 to 31-12-2024		26517 554	26517.5 54	0.757	20073	0	20073
	Total		**54962 599**	**54962.5 99**		**45,673**		**45,673**

Findings	CL 04 and CAR 01 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 projectplant/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.

SR. NO.	**Meter Type**	**Meter Sr. No.**	**Sub-station**	**Accuracy class**	**Make**	**Calibration Details**	**Calibration Validity**
1	Main Meter	17055050	WWIL	0.2	L & T	12-12-2023	12-12-2027
2	Check Meter	17055062	WWIL	0.2	L & T	12-12-2023	12-12-2027

Bulk Meters details:

Meters details of 18 locations:

Sr. No.	Meter Type	Meter Sr. No.	Sub-station	Accuracy class	Make	Calibration Details	Calibration Validity
3914	Main Meter	HT2170224	WWIL	0.2	EDMI	26-04-2023	25-04-2027
3915	Main Meter	HT2170393	WWIL	0.2	EDMI	26-04-2023	25-04-2027
3916	Main Meter	22009402	WWIL	0.2	Schneider Electric India Pvt ltd	18-11-2022	17-11-2026
3917	Main Meter	23003927	WWIL	0.2	Schneider Electric India Pvt ltd	04-10-2023	04-09-2027
3918	Main Meter	HT2170381	WWIL	0.2	EDMI	05-11-2023	05-10-2027
3919	Main Meter	22009403	WWIL	0.2	Schneider Electric India Pvt ltd	05-10-2023	05-09-2027
3920	Main Meter	TNW03916	WWIL	0.2	secure meters limited	04-04-2022	04-03-2026
3921	Main Meter	HT2180371	WWIL	0.2	EDMI	05-05-2023	04-04-2027
3947	Main Meter	23004573	WWIL	0.2	Schneider Electric India Pvt ltd	06-04-2023	06-03-2027
3948	Main Meter	TNW06258	WWIL	0.2	secure meters limited	27-06-2023	26-05-2027
3949	Main Meter	HT2170380	WWIL	0.2	EDMI	27-06-2023	26-05-2027
3954	Main Meter	HT2170390	WWIL	0.2	EDMI	27-06-2023	04-04-2027
3955	Main Meter	TNW03889	WWIL	0.2	secure meters limited	26-04-2023	25-04-2027
3957	Main Meter	TNW03915	WWIL	0.2	E3MO24	04-04-2022	04-04-2026
3959	Main	23014331	WWIL	0.2	Electronic	05-05-2023	05-04-2027

	Meter				Trivetor Meter		
3981	Main Meter	23014335	WWIL	0.2	Electronic Trivetor Meter	05-10-2023	05-09-2027
3986	Main Meter	HT2170644	WWIL	0.2	Edmi	05-05-2023	05-04-2027
3999	Main Meter	TNW03914	WWIL	0.2	secure meters limited	06-04-2023	06-04-2027

Due to accuracy reason few meters were changed in 2023. The details of changed meters are in table below: -

METER CHANGE DETAILS					
Sr. No.	**Old Sr no**	**NEW Meter Sr. No.**	**Sub-station**	**Accuracy class**	**Meter replaces date**
3914	HT2170224	HT2170224	WWIL	0.2	23.06.2023
3915	HT2170393	HT2170393	WWIL	0.2	23.06.2023
3916	HT2170397	22009402	WWIL	0.2	23.06.2023
3917	HT2170458	23003927	WWIL	0.2	23.06.2023
3918	HT2170381	HT2170381	WWIL	0.2	23.06.2023
3919	HT2170645	22009403	WWIL	0.2	23.06.2023
3920	HT2170473	TNW03916	WWIL	0.2	23.06.2023
3921	HT2170481	HT2180371	WWIL	0.2	23.06.2023
3947	HT2170450	23004573	WWIL	0.2	23.06.2023
3948	HT2170383	TNW06258	WWIL	0.2	23.06.2023
3949	HT2170380	HT2170380	WWIL	0.2	23.06.2023
3954	HT2170390	HT2170390	WWIL	0.2	23.06.2023
3955	HT2170384	TNW03889	WWIL	0.2	23.06.2023
3957	HT2170483	TNW03915	WWIL	0.2	23.06.2023
3959	HT2170476	23014331	WWIL	0.2	23.06.2023
3981	HT2170388	23014335	WWIL	0.2	23.06.2023
3986	HT2170644	HT2170644	WWIL	0.2	23.06.2023
3999	HT2170474	TNW03914	WWIL	0.2	23.06.2023

There is calibration delay for the current monitoring period from 01/01/2023 to 31/12/2023. 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 "±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. 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 03 was 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	CAR 02 was raised and closed successfully. More information presented appendix below.
Conclusion	The project has chosen crediting period start date in UCR as 01/01/2023. The crediting period is chosen as 01/01/2023 to 31/12/2024 and the crediting period for the current monitoring period is 01/01/2023 to 31/12/2024.

Positive Environmental impacts

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

Project Owner- Identification and communication

Means of Project Verification	PCN, communication agreement, MR, commissioning certificate, power purchase agreement.
Findings	CL 07 was raised and closed successfully. More information presented 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: Vaayu Renewable Energy (Tapti) Pvt. Ltd. (Private) (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 14.4 MW of large-scale wind power project located at Kanarpatti, Ettankulam, Kalakudi, Kuruchikulam, Ukkirankottai, Vagaikulam, Kattarankulam and Melelanthaikulam Villages, Tirunelveli District, Tamil Nadu 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 45,673 tCO2eq during the monitoring period i.e. from 01/01/2023 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. Vijayanand** is an experienced professional, a strategic HSE expert with 16 years of leadership in environmental consulting, audit, and regulatory compliance. He has successfully implemented HSE/ESG rules across Asia and Europe, managing corporate and site-level HSE functions. His roles have involved EIA, waste management, and policy development. He is leading HSE and ESG efforts at Hero Future Energies, demonstrating budgeting, due diligence, and international standard implementation skills. He has contributed to impactful projects like ESIA, renewable energy initiatives, and audits. He is also having accreditation as a Lead Auditor in CDM and Verra by various DOEs/VVBs, he is qualified by Enviance as a TL, TR and Technical expert in Secton 1.2, 3.1, 14.1.

❖ **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 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:**	**18/06/2025**
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 single line diagram of the project activity. 3. PP shall submit detailed project report.			
Client/Responsible Party/Project Proponent Response		**Date:**	**19/06/2025**
1. PP has submitted the double counting. 2. PP has submitted a single-line diagram. 3. PP wants to clarify that the project was commissioned in 2011, However Detailed Project Report (DPR) is prepared in the year 2009. As the project is old, PP no longer has 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, where validation and multiple verification has already been completed.			
Validation/Verification Team Assessment		**Date:**	**27/06/2025**
1. PP has submitted 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. During assessment it was verified project has claimed credits for current monitoring period in UCR and there was no double counting and also the project is not registered under any other GHG programs. 2. PP has submitted the single line diagram and on verification it was found to be in line with the project activity. 3. As PP does not have a DPR of the project activity, PP has provided all the necessary details regarding the project and on verification all the details were found to be in line with the project activity. Hence, CL 01 is closed.			

Classification	☐ **CAR** ☒ **CL/CR** ☐ **FAR**	**Number:**	**02**
Raised by:	**Ms. Ritu Singh**	**Document Reference**	**MR**
Finding Description		**Date:**	**18/06/2025**
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:**	**19/06/2025**
1. PP has submitted the documents which claims SDG 8.			

2. PP has submitted the names of local stakeholders along with attendance records		
Validation/Verification Team Assessment	**Date:**	**23/06/2025**
1. PP has submitted the names of the employees which are locally hired on the project site. This supporting document ensures the fulfilment of SDG 8 by the project activity. 2. PP has submitted the names of the local stakeholders and the same was verified during verification of documents. Hence, CL 02 is closed.		

Classification	☐ **CAR** ☒ **CL/CR** ☐ **FAR**	**Number:**	**03**
Raised by:	**Ms. Ritu Singh**	**Document Reference**	**MR**
Finding Description		**Date:**	**18/06/2025**
1. PP has submitted calibration certificate of bulk meters and of HTSC 3955, location 170. PP shall submit calibration certificates of remaining meters installed on remaining locations. 2. PP has submitted meter change details but the serial number on submitted photographs of HTSC 3915,3917,3919,3920,3921,3947,3948,3955,3957,3959,3981,3999 are inconsistent with the serial number mentioned in meter change certificates. PP shall clarify. 3. PP shall add meter change details in MR.			
Client/Responsible Party/Project Proponent Response		**Date:**	**19/06/2025**
1. PP has submitted calibration certificates for bulk meters and HTSC 3955 at location 170, along with calibration certificates for the remaining meters installed at other locations. 2. PP has submitted 3. PP has added the meter change details in MR			
Validation/Verification Team Assessment		**Date:**	**23/06/2025**
1. PP has submitted calibration certificates of all the remaining meters installed on 18 locations. Serial numbers of few meters are inconsistent with the serial number mentioned on calibration certificate. As mentioned during remote audit, few meters were changed in 2023. PP shall submit the meter change documents or if the documents are unavailable then PP shall submit a declaration regarding meter change details. 2. . As mentioned during remote audit, few meters were changed in 2023. PP shall submit the meter change documents or if the documents are unavailable then PP shall submit a declaration regarding meter change details. 3. PP has added meter change details in MR. During verification it was observed that meter change details of bulk meter has been added. PP shall add meter change details of all 18 meters. Hence, CL 03 is open.			
Client/Responsible Party/Project Proponent Response		**Date:**	**27/06/2025**
1. PP has submitted the declaration for meter change. 2. PP has submitted the declaration for meter change. **3.** PP has added the meter change details of all 18 meters			
Validation/Verification Team Assessment		**Date:**	**28/06/2025**
1. PP has submitted calibration certificates of all the remaining meters installed on 18 locations. Few meters were replaced in June 2023 due to the detection of a Real-Time Clock (RTC)			

drift, which may have impacted their measurement accuracy. PP has submitted the details of meter change and on verification it is concluded that all the meter serial numbers are consistent with the submitted meter photographs. As meters are replaced in 2023, no need of calibration for this monitoring period. Verifier has ensured the completeness of meter pictures, calibration and meter change details.

2. PP has submitted the details of meter change and on verification it is concluded that the serial numbers on all the meter pictures are now in consistent with the serial numbers mentioned in meter change declaration.
3. PP has added meter change details of all 18 meters along with bulk meters in MR. During verification it was verified in MR version 1.2.

Hence, CL 03 is closed.

Classification	☐ **CAR** ☒ **CL/CR** ☐ **FAR**	**Number:**	**04**
Raised by:	**Ms. Ritu Singh**	**Document Reference**	**MR**
Finding Description		**Date:**	**18/06/2025**
PP shall submit supporting documents of few JMR readings.			
Client/Responsible Party/Project Proponent Response		**Date:**	**19/06/2025**
PP has submitted supporting documents of JMR readings.			
Validation/Verification Team Assessment		**Date:**	**27/06/2025**
PP has submitted the supporting documents of remaining JMR readings. During assessment all the documents were found to be consistent with the project activity. Hence, CL 04 is closed.			

Classification	☐ **CAR** ☒ **CL/CR** ☐ **FAR**	**Number:**	**05**
Raised by:	**Ms. Ritu Singh**	**Document Reference**	**MR**
Finding Description		**Date:**	**18/06/2025**
As mentioned in MR, the project activity has already been registered under the CDM. PP shall provide the relevant documentation with a supporting link included as a footnote in MR and PCN.			
Client/Responsible Party/Project Proponent Response		**Date:**	**19/06/2025**
PP has added the footnote in SEC A.5 in MR.			
Validation/Verification Team Assessment		**Date:**	**23/06/2025**
A footnote has been added by the Project Participant (PP) under Section A.5 of the Monitoring Report (MR). During the assessment, it was observed that the project activity had previously been registered under the CDM for the monitoring period from 06/12/2012 to 05/12/2022. The current monitoring period under the UCR framework spans from 01/01/2023 to 31/12/2024. Upon thorough verification of all submitted documents, it is concluded that the project activity is now duly registered under UCR for the ongoing monitoring period. Hence, CL 05 is closed.			

Classification	☐ **CAR** ☒ **CL/CR** ☐ **FAR**	**Number:**	**06**
Raised by:	**Ms. Ritu Singh**	**Document Reference**	**MR**

Finding Description	Date:	18/06/2025
PP shall submit the supporting documents of technical specifications of wind turbines.		
Client/Responsible Party/Project Proponent Response	**Date:**	**19/06/2025**
PP wants to Clarify that the project has already registered in CDM with the ID 7537. Validation and multiple verification have already been done for the same. PP has taken the technical specifications details from the registered PD and PP has added the reference for the CDM project.		
Validation/Verification Team Assessment	**Date:**	**23/06/2025**
PP has provided the CDM link for reference of technical specifications of turbines. Since the CDM process involves multiple levels of validation and verification, the verifier accepts the information contained in the Project Design Document (PDD) as accurate and reliable. Hence, CL 06 is closed.		

Classification	☐ CAR ☒ CL/CR ☐ FAR	Number:	07
Raised by:	Ms. Ritu Singh	Document Reference	MR
Finding Description		Date:	23/06/2025
As mentioned in MR the ownership of project has been changed from 'Vish Wind Infrastructure LLP.' to 'Vaayu Renewable Energy (Tapti) Pvt. Ltd.' PP is required to submit the legal ownership document as there has been a change in ownership.			
Client/Responsible Party/Project Proponent Response		**Date:**	**27/06/2025**
PP wants to clarify that the project was previously registered under CDM, ID 7537 where this change was already recorded and verified by the auditor. Please refer to the same.			
Validation/Verification Team Assessment		**Date:**	**28/06/2025**
The project activity had previously been registered under the CDM. The Project Participant (PP) submitted all relevant documentation to the verifier. Upon verification, it was concluded that the ownership of the project had changed prior to its CDM registration. However, considering that multiple validations and verifications were conducted under the CDM, the verifier recognizes the declared ownership of the project as valid. Hence, CL 07 is closed.			

Table 2. CARs from this Project Verification

Classification	☒ CAR ☐ CL/CR ☐ FAR	Number:	01
Raised by:	Ms. Ritu Singh	Document reference	MR
Finding Description		Date:	18/06/2025
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 as per the revised excel sheet.			
Client/Responsible Party/Project Proponent Response		**Date:**	**19/06/2025**
1. PP has submitted the JMR readings with supporting documents. 2. PP has revised the energy generation and emission reduction value in MR as per the revised excel sheet.			
Validation/Verification Team Assessment		**Date:**	**23/06/2025**
1. Few JMR readings are still inconsistent with the submitted supporting documents. Correction			

sought.

2. PP shall revise the energy generation and emission reduction value in MR as per the revised excel sheet.

Hence, CAR 01 is open.

Client/Responsible Party/Project Proponent Response	**Date:**	**27/06/2025**

1. PP has made the JMR readings consistent with the submitted supporting documents.
2. PP has revised the energy generation and emission reduction value in MR as per the revised excel sheet

Validation/Verification Team Assessment	**Date:**	**28/06/2025**

1. PP has made corrections in all the JMR readings and on assessment it was concluded that all the readings are now consistent with the submitted supporting documents and the same was verified in ER excel sheet version 1.2.
2. PP has revised the energy generation and emission reduction value in MR as per the revised excel sheet. During assessment all the values were verified in MR version 1.2.

Hence, CAR 01 is closed.

Classification	☒ **CAR** ☐ **CL/CR** ☐ **FAR**	**Number:**	**02**
Raised by:	**Ms. Ritu Singh**	**Document Reference**	**PCN**
Finding Description		**Date:**	**18/06/2025**
First issuance period is inconsistent throughout the PCN. Correction sought.			
Client/Responsible Party/Project Proponent Response		**Date:**	**19/06/2025**
PP has added the First issuance period in correct manner throughout the PCN.			
Validation/Verification Team Assessment		**Date:**	**23/06/2025**
PP has made correction in first issuance period of project activity in PCN. During assessment it was verified in PCN version 1.2. Hence, CAR 02 is closed.			

Classification	☒ **CAR** ☐ **CL/CR** ☐ **FAR**	**Number:**	**03**
Raised by:	**Ms. Ritu Singh**	**Document Reference**	**PCN & MR**
Finding Description		**Date:**	**18/06/2025**
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:**	**19/06/2025**
PP has modified the section B.8. of PCN and C.10 of MR, Egy,net parameter which was inconsistent.			
Validation/Verification Team Assessment		**Date:**	**23/06/2025**
PP has made correction in Egy,net parameter in section B.8. of PCN and C.10 of MR. During assessment it was verified in PCN and MR version 1.2. Hence, CAR 03 is closed.			

Classification	☒ **CAR** ☐ **CL/CR** ☐ **FAR**	**Number:**	**04**
Raised by:	**Ms. Ritu Singh**	**Document Reference**	**PCN & MR**
Finding Description		**Date:**	**18/06/2025**
Version of applied methodology is inconsistent in both PCN and MR. Corrective action sought.			
Client/Responsible Party/Project Proponent Response		**Date:**	**19/06/2025**
PP has modified the Version of applied methodology in both PCN and MR.			
Validation/Verification Team Assessment		**Date:**	**23/06/2025**
PP has now applied the correct methodology with correct version in both PCN and MR. During assessment it was verified in PCN and MR version 1.2. 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~~