


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	<input type="checkbox"/> CDM or other GHG Accreditation <input checked="" type="checkbox"/> 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	01/05/2025
Title of the project activity	Enercon Wind Farm (Hindustan) Ltd in Karnataka.
Project reference no. (as provided by UCR Program)	106
Name of Entity requesting verification service (can be Project Owners themselves or any Entity having authorization of Project Owners, example aggregator.)	UCR ID – 106 Viviid Emissions Reductions Universal Pvt. Ltd. Name: Lokesh Jain Email ID – lokesh.jain@viviidgreen.com
Contact details of the representative of the Entity, requesting verification service (Focal Point assigned for all communications)	UCR ID – 106 Viviid Emissions Reductions Universal Pvt. Ltd. Name: Lokesh Jain Email ID – lokesh.jain@viviidgreen.com

Country where project is located	India
Applied methodologies (approved methodologies by UCR Standard used)	ACM0002: Grid-connected electricity generation from renewable sources version 6.0
GHG Sectoral scopes linked to the applied methodologies	01 Energy industries (Renewable/Non-Renewable Sources)
Project Verification Criteria: Mandatory requirements to be assessed	<input checked="" type="checkbox"/> UCR Standard <input checked="" type="checkbox"/> Applicable Approved Methodology <input checked="" type="checkbox"/> Applicable Legal requirements /rules of host country <input checked="" type="checkbox"/> Eligibility of the Project Type <input checked="" type="checkbox"/> Start date of the Project activity <input checked="" type="checkbox"/> Meet applicability conditions in the applied methodology <input checked="" type="checkbox"/> Credible Baseline <input checked="" type="checkbox"/> Do No Harm Test <input checked="" type="checkbox"/> Emission Reduction calculations <input checked="" type="checkbox"/> Monitoring Report <input checked="" type="checkbox"/> No GHG Double Counting <input type="checkbox"/> Others (please mention below)
Project Verification Criteria: Optional requirements to be assessed	<input checked="" type="checkbox"/> Environmental Safeguards Standard and do-no-harm criteria <input checked="" type="checkbox"/> Social Safeguards Standard do-no-harm criteria

<p>Project Verifier's Confirmation:</p> <p>The <i>UCR Project Verifier</i> has verified the UCR project activity and therefore confirms the following:</p>	<p>The UCR Project Verifier <i>Enviance Services Private Limited</i>, certifies the following with respect to the UCR Project Activity [<i>Enercon Wind Farm (Hindustan) Ltd in Karnataka</i>].</p> <p><input checked="" type="checkbox"/> The Project Owner has correctly described the Project Activity in the Project Concept Note version 1.1 (dated 21/03/2022) including the applicability of the approved methodology [ACM0002: <i>Grid-connected electricity generation from renewable sources version 6.0</i>] 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.</p> <p><input checked="" type="checkbox"/> The Project Activity is likely to generate GHG emission reductions amounting to the estimated [119,332] tCO₂e annually, as indicated in the PCN version 1.1, 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</p>
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	<p>and ISO 14064-3.</p> <p><input checked="" type="checkbox"/> The Project Activity is not likely to cause any net-harm to the environment and/or society</p> <p><input checked="" type="checkbox"/> The Project Activity complies with all the applicable UCR rules¹ and therefore recommends UCR Program to register the Project activity with above mentioned labels.</p>
Project Verification Report, reference number and date of approval	<p>Verification Report</p> <p>UCR Reference number: 106</p> <p>Date of approval: 02/05/2025</p>
Name of the authorised personnel of UCR Project Verifier and his/her signature with date	<p>Vidhya Murali Krishna</p>  <p>Quality Manager</p> <p>Date: 02/05/2025</p>

PROJECT VERIFICATION REPORT

Executive summary

The project activity is titled- "Enercon Wind Farm (Hindustan) Ltd in Karnataka".

The project activity involves the installation of 86 WTGs of capacity 0.8 MW each at Chitradurga and Tumkur districts of Karnataka, India, reaching a total installed capacity of 68.8 MW. These WTGs are of Enercon make E-48. Enercon India Limited is the supplier of WECs and the O&M contractor for the project activity. It is to be noted that name of company "Enercon India Limited" is changed as "Wind World (India) Limited from 01/01/2013 onwards, the same is verified through the name change consent issued by Government of India. The WECs have been commissioned between 29/09/2006 and 28/12/2006. The same was verified against the commissioning certificates.

Loc. no.	Unique Identification Number	Date of Commissioning
1	EWHPL 01	26/10/2006
2	EWHPL 02	26/10/2006
3	EWHPL 03	26/10/2006
4	EWHPL 04	28/12/2006
5	EWHPL 05	28/12/2006
6	EWHPL 06	28/12/2006
7	EWHPL 07	28/12/2006
8	EWHPL 08	28/12/2006
9	EWHPL 09	28/12/2006
10	EWHPL 10	29/09/2006
11	EWHPL 11	29/09/2006
12	EWHPL 12	29/09/2006
13	EWHPL 13	29/09/2006
14	EWHPL 14	29/09/2006
15	EWHPL 15	29/09/2006
16	EWHPL 16	29/09/2006
17	EWHPL 17	29/09/2006
18	EWHPL 18	29/09/2006
19	EWHPL 19	29/09/2006
20	EWHPL 20	29/09/2006
21	EWHPL 21	29/09/2006
22	EWHPL 22	29/09/2006
23	EWHPL 23	29/09/2006
24	EWHPL 24	29/09/2006
25	EWHPL 25	29/09/2006
26	EWHPL26	26/10/2006
27	EWHPL 27	29/09/2006
28	EWHPL 28	29/09/2006
29	EWHPL 29	29/09/2006
30	EWHPL 30	29/09/2006
31	EWHPL 31	29/09/2006
32	EWHPL 32	29/09/2006
33	EWHPL 33	29/09/2006

34	EWHPL 34	29/09/2006
35	EWHPL 35	29/09/2006
36	EWHPL 36	29/09/2006
37	EWHPL 37	29/09/2006
38	EWHPL 38	29/09/2006
39	EWHPL 39	29/09/2006
40	EWHPL 40	29/09/2006
41	EWHPL 41	29/09/2006
42	EWHPL 42	29/09/2006
43	EWHPL 43	29/09/2006
44	EWHPL 44	29/09/2006
45	EWHPL 45	29/09/2006
46	EWHPL 46	29/09/2006
47	EWHPL 47	29/09/2006
48	EWHPL 48	29/09/2006
49	EWHPL 49	29/09/2006
50	EWHPL 50	26/10/2006
51	EWHPL 51	26/10/2006
52	EWHPL 52	29/09/2006
53	EWHPL 53	29/09/2006
54	EWHPL 54	29/09/2006
55	EWHPL 55	29/09/2006
56	EWHPL 56	29/09/2006
57	EWHPL 57	29/09/2006
58	EWHPL 58	29/09/2006
59	EWHPL 59	26/10/2006
60	EWHPL 60	26/10/2006
61	EWHPL 61	26/10/2006
62	EWHPL 62	29/09/2006
63	EWHPL 63	29/09/2006
64	EWHPL 64	29/09/2006
65	EWHPL 65	29/09/2006
66	EWHPL 66	29/09/2006
67	EWHPL 67	29/09/2006
68	EWHPL 68	29/09/2006
69	EWHPL 69	29/09/2006
70	EWHPL 70	29/09/2006
71	EWHPL 71	29/09/2006
72	EWHPL 72	28/12/2006
73	EWHPL 73	28/12/2006
74	EWHPL 74	28/12/2006
75	EWHPL 75	28/12/2006
76	EWHPL 76	28/12/2006
77	EWHPL 77	28/12/2006
78	EWHPL 78	28/12/2006
79	EWHPL 79	28/12/2006
80	EWHPL 80	28/12/2006
81	EWHPL 81	28/12/2006
82	EWHPL 82	28/12/2006

83	EWHP L 83	28/12/2006
84	EWHP L 84	28/12/2006
85	EWHP L 85	28/12/2006
86	EWHP L 86	28/12/2006

Geo Co-ordinates of all the locations are mentioned in the table below:

S.No	WEG Unique Identification Number	Location No.	Latitude (N)			Longitude (E)		
			Degree	Minutes	Seconds	Degree	Minutes	Seconds
1	EWHPL 01	1	13	43	20.9	76	31	3.9
2	EWHPL 02	2	13	43	25.4	76	31	1.5
3	EWHPL 03	3	13	43	30.0	76	30	59.0
4	EWHPL 04	4	13	43	34.6	76	30	57.2
5	EWHPL 05	5	13	43	39.3	76	30	55.6
6	EWHPL 06	6	13	43	43.8	76	30	53.1
7	EWHPL 07	7	13	43	50.0	76	30	50.5
8	EWHPL 08	8	13	43	54.5	76	30	48.0
9	EWHPL 09	9	13	44	3.9	76	30	44.9
10	EWHPL 10	10	13	45	33.0	76	31	5.9
11	EWHPL 11	11	13	45	28.2	76	31	6.4
12	EWHPL 12	12	13	45	23.4	76	31	7.0
13	EWHPL 13	13	13	45	18.9	76	31	7.7
14	EWHPL 14	14	13	45	14.3	76	31	8.3
15	EWHPL 15	15	13	45	10.2	76	31	9.5
16	EWHPL 16	16	13	44	54.0	76	31	12.3
17	EWHPL 17	17	13	44	49.2	76	31	13.1
18	EWHPL 18	18	13	44	44.5	76	31	14.7
19	EWHPL 19	19	13	44	39.8	76	31	16.7
20	EWHPL 20	20	13	44	35.4	76	31	19.9
21	EWHPL 21	21	13	44	30.5	76	31	19.8
22	EWHPL 22	22	13	44	25.6	76	31	20.2
23	EWHPL 23	23	13	44	21.7	76	31	26.4
24	EWHPL 24	24	13	44	16.9	76	31	27.7
25	EWHPL 25	25	13	44	12.0	76	31	28.2
26	EWHPL 26	26	13	44	8.0	76	31	29.8
27	EWHPL 27	27	13	43	57.6	76	31	53.8
28	EWHPL 28	28	13	43	54.1	76	31	55.1
29	EWHPL 29	29	13	43	49.5	76	31	57.1
30	EWHPL 30	30	13	43	44.8	76	31	58.6
31	EWHPL 31	31	13	43	40.0	76	31	59.5
32	EWHPL 32	32	13	43	35.4	76	32	1.9
33	EWHPL 33	33	13	43	30.6	76	32	4.8
34	EWHPL 34	34	13	43	0.6	76	32	22.1
35	EWHPL 35	35	13	42	54.7	76	32	19.9
36	EWHPL 36	36	13	42	50.3	76	32	23.0
37	EWHPL 37	37	13	42	45.6	76	32	24.7
38	EWHPL 38	38	13	42	40.9	76	32	26.3
39	EWHPL 39	39	13	42	36.3	76	32	28.5
40	EWHPL 40	40	13	42	31.1	76	32	31.4
41	EWHPL 41	41	13	40	57.2	76	35	58.1
42	EWHPL 42	42	13	40	52.4	76	35	59.4
43	EWHPL 43	43	13	40	47.7	76	36	0.9
44	EWHPL 44	44	13	40	43.1	76	36	2.6
45	EWHPL 45	45	13	40	38.4	76	36	4.2
46	EWHPL 46	46	13	40	33.7	76	36	5.8

47	EWHPL 47	47	13	40	13.7	76	36	10.7
48	EWHPL 48	48	13	40	9.1	76	36	12.6
49	EWHPL 49	49	13	40	4.7	76	36	15.7
50	EWHPL 50	50	13	39	2.8	76	36	34.8
51	EWHPL 51	51	13	38	58.7	76	36	36.8
52	EWHPL 52	52	13	38	54.1	76	36	38.9
53	EWHPL 53	53	13	38	49.5	76	36	41.3
54	EWHPL 54	54	13	38	44.9	76	36	43.1
55	EWHPL 55	55	13	38	40.2	76	36	44.9
56	EWHPL 56	56	13	38	35.6	76	36	46.9
57	EWHPL 57	57	13	38	30.9	76	36	48.7
58	EWHPL 58	58	13	38	26.4	76	36	50.9
59	EWHPL 59	59	13	38	22.3	76	36	56.3
60	EWHPL 60	60	13	38	17.8	76	36	58.8
61	EWHPL 61	61	13	38	11.8	76	37	2.5
62	EWHPL 62	62	13	38	7.2	76	37	4.6
63	EWHPL 63	63	13	38	2.6	76	37	6.8
64	EWHPL 64	64	13	37	58.0	76	37	9.2
65	EWHPL 65	65	13	37	53.5	76	37	11.5
66	EWHPL 66	66	13	37	48.9	76	37	13.7
67	EWHPL 67	67	13	37	44.3	76	37	16.0
68	EWHPL 68	68	13	37	39.8	76	37	18.4
69	EWHPL 69	69	13	37	35.1	76	37	20.3
70	EWHPL 70	70	13	37	30.5	76	37	22.3
71	EWHPL 71	71	13	37	25.9	76	37	24.7
72	EWHPL 72	72	13	32	25.1	76	43	45.2
73	EWHPL 73	73	13	32	30.0	76	43	44.4
74	EWHPL 74	74	13	32	34.8	76	43	44.7
75	EWHPL 75	75	13	32	39.7	76	43	44.5
76	EWHPL 76	76	13	32	44.6	76	43	43.9
77	EWHPL 77	77	13	32	49.5	76	43	42.5
78	EWHPL 78	78	13	32	54.4	76	43	42.1
79	EWHPL 79	79	13	33	6.1	76	43	33.2
80	EWHPL 80	80	13	33	11.0	76	43	34.1
81	EWHPL 81	81	13	33	15.9	76	43	34.6
82	EWHPL 82	82	13	33	20.8	76	43	34.5
83	EWHPL 83	83	13	34	19.9	76	44	0.8
84	EWHPL 84	84	13	34	27.5	76	44	2.3
85	EWHPL 85	85	13	34	50.5	76	44	14.8
86	EWHPL 86	86	13	34	54.9	76	44	14.8

Proposed wind power project has evolved as a result of the policies of Government of India and Government of Karnataka, which encourages energy development from renewable sources. These policies have given fresh impetus to wind power generation. Also, by virtue of being a wind power plant, the proposed plant can be instantly started, stopped and quickly adjusted for power generation corresponding to variations in power/energy releases.

The project activity involves electricity generation by wind electric convertors and supplying the generated electricity to the southern grid (now part of integrated Indian Grid). The project being a renewable energy generation activity, it leads to removal of fossil fuel dominated electricity generation. The project activity results in reductions of greenhouse gas (GHG) emissions that are real, measurable, and verifiable and plays beneficial role in the mitigation of climate change.

The Project Activity is a greenfield wind project and the electricity generated by the project is exported to the national grid of India. According to the power purchase agreements, the net generated electricity from the project activity is for selling it to Bangalore Electricity Supply Company Limited (BESCOM).

The project activity displaces 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 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.

All 86 WECs are fully functional, and the assessment team verified this during the remote site visit.

The second crediting period of the project activity is 02 years and 11 months from 01/02/2022 to 31/12/2024. During this monitoring period 236,080 tCO₂e of emission reduction has been reported.

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 “Enercon Wind Farm (Hindustan) Ltd in Karnataka”, the information and data presented in the MR version 1.1 of second monitoring period dated 20/03/2025 is in line with the Project Concept Note Version 1.1 dated 21/03/2022 and meets all relevant requirements of the UCR for UCR project activities. The UCR project activity correctly applies the methodology “ACM0002: Grid-connected electricity generation from renewable sources version 06.0” 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	01/02/2022
End date of monitoring period	31/12/2024
Emission reductions achieved	236,080 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		
					Document review	Off-Site inspection	Interviews
1.	Team Leader/ Technical Expert	Singh	Ritu	Enviance Services Private Limited	Yes	Yes	Yes
2.	V-V Trainee / Technical Expert 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	Internal	Kumar	Mr. Pankaj	Enviance Services Private Limited

Means of Project Verification

Desk/document review

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

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

Off-site inspection

Date of off-site inspection: 12/03/2025			
No.	Activity performed Off-Site	Site location	Date
1.	<ul style="list-style-type: none"> 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. 	District: Chitradurga and Tumkur, State Karnataka; India	12/03/2025

	<ul style="list-style-type: none"> 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 j) Interviews of local Stakeholders 		
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Interviews

No.	Interview			Date	subject
	Last name	First name	Affiliation		
1.	Savi	Raghvendra	Wind World Wind Farms (Hindustan) Pvt. Ltd.	12/03/2025	Project Implementation, Monitoring plan, Project Boundary, Eligibility criteria, Host country requirements, Emission reduction calculations Project implementation, monitoring, Local stakeholder consultation
2.	Kamath	G.K.			
3.	Kohli	Dhruv	Viviid emissions reductions universal private Ltd.		
4.	Raghvendra	P.G.	Local stakeholders		
5.	Prakash	V.P.			
6.	Maruthesha	M.C.			

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	01	-	-
General description of project activity	02	-	-
Application and selection of methodologies and standardized baselines	-	-	-
- Application of methodologies and standardized baselines	-	-	-
- Deviation from methodology and/or methodological tool	-	-	-
- Clarification on applicability of methodology, tool and/or standardized baseline	-	-	-
- Project boundary, sources and GHGs	-	-	-
- Baseline scenario	-	-	-
- Estimation of emission reductions or net anthropogenic removals	-	-	-
- Monitoring Report	-	02	-
Start date, crediting period and duration	-	-	-
Environmental impacts	-	-	-
Project Owner- Identification and communication	-	-	-
Others	-	-	-

Total	03	02	-
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Project Verification findings

Identification and eligibility of project type

ans of Project Verification	<p>The project has an installation of a 68.8 MW wind power capacity and hence it qualifies as a large-scale project. This is confirmed based on the commissioning certificates and technical specifications.</p> <p>Since the project is a large-scale project, it has applied approved CDM large scale methodology ACM0002: Grid-connected electricity generation from renewable sources version 06.0.</p> <p>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.</p>
Findings	CL 01 was raised and closed successfully. More information presented appendix below.
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

ans of Project Verification	<p>The project activity involves the operation of a 68.8 MW 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 68.8 MW (86 x 0.8 MW in Chitradurga and Tumkur district of Karnataka state, India) project.</p> <p>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.</p> <p>By checking the supporting documents, it is confirmed that the project is a greenfield wind power project, the project is spread in Chitradurga and Tumkur district of Karnataka state of India. The approximate geo-coordinates of the project locations are mentioned below.</p>																																																																																																																																																																																																																																																																																	
	<table border="1"> <thead> <tr> <th rowspan="2">S.No</th><th rowspan="2">WEG Unique Identification Number</th><th rowspan="2">Location No.</th><th colspan="3">Latitude (N)</th><th colspan="3">Longitude (E)</th></tr> <tr> <th>Degree</th><th>Minutes</th><th>Seconds</th><th>Degree</th><th>Minutes</th><th>Seconds</th></tr> </thead> <tbody> <tr><td>1</td><td>EWHP L 01</td><td>1</td><td>13</td><td>43</td><td>20.9</td><td>76</td><td>31</td><td>3.9</td></tr> <tr><td>2</td><td>EWHP L 02</td><td>2</td><td>13</td><td>43</td><td>25.4</td><td>76</td><td>31</td><td>1.5</td></tr> <tr><td>3</td><td>EWHP L 03</td><td>3</td><td>13</td><td>43</td><td>30.0</td><td>76</td><td>30</td><td>59.0</td></tr> <tr><td>4</td><td>EWHP L 04</td><td>4</td><td>13</td><td>43</td><td>34.6</td><td>76</td><td>30</td><td>57.2</td></tr> <tr><td>5</td><td>EWHP L 05</td><td>5</td><td>13</td><td>43</td><td>39.3</td><td>76</td><td>30</td><td>55.6</td></tr> <tr><td>6</td><td>EWHP L 06</td><td>6</td><td>13</td><td>43</td><td>43.8</td><td>76</td><td>30</td><td>53.1</td></tr> <tr><td>7</td><td>EWHP L 07</td><td>7</td><td>13</td><td>43</td><td>50.0</td><td>76</td><td>30</td><td>50.5</td></tr> <tr><td>8</td><td>EWHP L 08</td><td>8</td><td>13</td><td>43</td><td>54.5</td><td>76</td><td>30</td><td>48.0</td></tr> <tr><td>9</td><td>EWHP L 09</td><td>9</td><td>13</td><td>44</td><td>3.9</td><td>76</td><td>30</td><td>44.9</td></tr> <tr><td>10</td><td>EWHP L 10</td><td>10</td><td>13</td><td>45</td><td>33.0</td><td>76</td><td>31</td><td>5.9</td></tr> <tr><td>11</td><td>EWHP L 11</td><td>11</td><td>13</td><td>45</td><td>28.2</td><td>76</td><td>31</td><td>6.4</td></tr> <tr><td>12</td><td>EWHP L 12</td><td>12</td><td>13</td><td>45</td><td>23.4</td><td>76</td><td>31</td><td>7.0</td></tr> <tr><td>13</td><td>EWHP L 13</td><td>13</td><td>13</td><td>45</td><td>18.9</td><td>76</td><td>31</td><td>7.7</td></tr> <tr><td>14</td><td>EWHP L 14</td><td>14</td><td>13</td><td>45</td><td>14.3</td><td>76</td><td>31</td><td>8.3</td></tr> <tr><td>15</td><td>EWHP L 15</td><td>15</td><td>13</td><td>45</td><td>10.2</td><td>76</td><td>31</td><td>9.5</td></tr> <tr><td>16</td><td>EWHP L 16</td><td>16</td><td>13</td><td>44</td><td>54.0</td><td>76</td><td>31</td><td>12.3</td></tr> <tr><td>17</td><td>EWHP L 17</td><td>17</td><td>13</td><td>44</td><td>49.2</td><td>76</td><td>31</td><td>13.1</td></tr> <tr><td>18</td><td>EWHP L 18</td><td>18</td><td>13</td><td>44</td><td>44.5</td><td>76</td><td>31</td><td>14.7</td></tr> <tr><td>19</td><td>EWHP L 19</td><td>19</td><td>13</td><td>44</td><td>39.8</td><td>76</td><td>31</td><td>16.7</td></tr> <tr><td>20</td><td>EWHP L 20</td><td>20</td><td>13</td><td>44</td><td>35.4</td><td>76</td><td>31</td><td>19.9</td></tr> <tr><td>21</td><td>EWHP L 21</td><td>21</td><td>13</td><td>44</td><td>30.5</td><td>76</td><td>31</td><td>19.8</td></tr> <tr><td>22</td><td>EWHP L 22</td><td>22</td><td>13</td><td>44</td><td>25.6</td><td>76</td><td>31</td><td>20.2</td></tr> <tr><td>23</td><td>EWHP L 23</td><td>23</td><td>13</td><td>44</td><td>21.7</td><td>76</td><td>31</td><td>26.4</td></tr> <tr><td>24</td><td>EWHP L 24</td><td>24</td><td>13</td><td>44</td><td>16.9</td><td>76</td><td>31</td><td>27.7</td></tr> <tr><td>25</td><td>EWHP L 25</td><td>25</td><td>13</td><td>44</td><td>12.0</td><td>76</td><td>31</td><td>28.2</td></tr> <tr><td>26</td><td>EWHP L 26</td><td>26</td><td>13</td><td>44</td><td>8.0</td><td>76</td><td>31</td><td>29.8</td></tr> <tr><td>27</td><td>EWHP L 27</td><td>27</td><td>13</td><td>43</td><td>57.6</td><td>76</td><td>31</td><td>53.8</td></tr> <tr><td>28</td><td>EWHP L 28</td><td>28</td><td>13</td><td>43</td><td>54.1</td><td>76</td><td>31</td><td>55.1</td></tr> </tbody> </table>	S.No	WEG Unique Identification Number	Location No.	Latitude (N)			Longitude (E)			Degree	Minutes	Seconds	Degree	Minutes	Seconds	1	EWHP L 01	1	13	43	20.9	76	31	3.9	2	EWHP L 02	2	13	43	25.4	76	31	1.5	3	EWHP L 03	3	13	43	30.0	76	30	59.0	4	EWHP L 04	4	13	43	34.6	76	30	57.2	5	EWHP L 05	5	13	43	39.3	76	30	55.6	6	EWHP L 06	6	13	43	43.8	76	30	53.1	7	EWHP L 07	7	13	43	50.0	76	30	50.5	8	EWHP L 08	8	13	43	54.5	76	30	48.0	9	EWHP L 09	9	13	44	3.9	76	30	44.9	10	EWHP L 10	10	13	45	33.0	76	31	5.9	11	EWHP L 11	11	13	45	28.2	76	31	6.4	12	EWHP L 12	12	13	45	23.4	76	31	7.0	13	EWHP L 13	13	13	45	18.9	76	31	7.7	14	EWHP L 14	14	13	45	14.3	76	31	8.3	15	EWHP L 15	15	13	45	10.2	76	31	9.5	16	EWHP L 16	16	13	44	54.0	76	31	12.3	17	EWHP L 17	17	13	44	49.2	76	31	13.1	18	EWHP L 18	18	13	44	44.5	76	31	14.7	19	EWHP L 19	19	13	44	39.8	76	31	16.7	20	EWHP L 20	20	13	44	35.4	76	31	19.9	21	EWHP L 21	21	13	44	30.5	76	31	19.8	22	EWHP L 22	22	13	44	25.6	76	31	20.2	23	EWHP L 23	23	13	44	21.7	76	31	26.4	24	EWHP L 24	24	13	44	16.9	76	31	27.7	25	EWHP L 25	25	13	44	12.0	76	31	28.2	26	EWHP L 26	26	13	44	8.0	76	31	29.8	27	EWHP L 27	27	13	43	57.6	76	31	53.8	28	EWHP L 28	28	13	43	54.1	76	31	55.1						
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	33	EWHPL 33	33	13	43	30.6	76	32	4.8
	34	EWHPL 34	34	13	43	0.6	76	32	22.1
	35	EWHPL 35	35	13	42	54.7	76	32	19.9
	36	EWHPL 36	36	13	42	50.3	76	32	23.0
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	85	EWHPL 85	85	13	34	50.5	76	44	14.8
	86	EWHPL 86	86	13	34	54.9	76	44	14.8
	<p>Assessment team performed an offsite inspection of project and confirmed that the location described in the PCN are accurate.</p> <p>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.</p>								
Findings	CL 02 and CL 03 were raised and closed successfully. More information presented 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

Plans of Project Verification	The project has taken the reference of CDM methodology ACM0002: Grid-connected electricity generation from renewable sources version 06.0. 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.
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(.a.ii) Clarification on applicability of methodology, tool and/or standardized baseline

Means of Project Verification	The documents reviewed are CDM methodology ACM0002: Grid-connected electricity generation from renewable sources version 06.0, 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 (second issuance period). 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: Grid-connected electricity generation from renewable sources version 06.0, "The spatial extent of the project boundary includes the project power plant/unit and all power plants/units connected physically to the electricity system that the CDM project power plant is connected to." Review of PCN and MR confirms that project sites and Indian electricity grid system is considered as a project boundary which is appropriate.
Findings	No findings raised
Conclusion	The project boundary is correctly defined in the PCN and MR. GHG sources are correctly identified and reported. The project meets the requirements of UCR project standard, Verification standard and methodology requirements for a boundary, GHG sources.

(.a.iv) Baseline scenario

Means of Project Verification	As per the applied methodology ACM0002: Grid-connected electricity generation from renewable sources version 06.0 the baseline scenario is as following: The baseline scenario is electricity delivered to the grid by the project activity that would have otherwise been generated by the operation of grid-connected power plants. 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

	<p>absence of the proposed UCR project activity.</p> <p>All the assumption and data used by the project participants are listed in the PCN and/or supporting documents. All documentation relevant for establishing the baseline scenario are correctly quoted and interpreted in the PCN. Assumptions and data used in the identification of the baseline scenario are justified appropriately, supported by evidence and can be deemed reasonable.</p>
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(.a.v) Estimation of emission reductions or net anthropogenic removal

Means of Project Verification	<p>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.</p> <p>The emission reduction calculation has been carried out as per the CDM methodology ACM0002, Version 06.0.</p> <p>Baseline Emission $BE_y = EG_y * EF_y$, Where, BE_y = Baseline emissions in year y (t CO₂) EG_y = Quantity of net electricity generation that is produced and fed into the grid as a result of the implementation of the CDM project activity in year y (MWh) EF_y = Grid emission factor in year y (t CO₂/MWh)</p> <p>A "grid emission factor" refers to a CO₂ emission factor (tCO₂/MWh) which will be associated with each unit of electricity provided by an electricity system. The UCR recommends an emission factor of 0.9 tCO₂/MWh for the 2013-2023 years as a fairly conservative estimate for Indian projects not previously verified under any GHG program. Also, for the vintage 2021, the combined margin emission factor calculated from CEA database in India results into higher emission than the default value. Hence, the same emission factor has been considered to calculate the emission reduction under conservative approach.²</p> <p>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.</p> <p>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</p>
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² https://a23e347601d72166dcd6-16da518ed3035d35cf0439f1cdf449c9.ssl.cf2.rackcdn.com/Documents/UCRStandardAug2024updatedVer7_020824191534797526.pdf

	<p>Project emissions: As per the applied methodology, For most renewable energy project activities, PE_y = 0. Since wind power is a GHG emission free source of energy project emission considered as Zero for the project activity.</p> <p>Leakage Emissions: As per the applied methodology ACM0002 Version 06.0, there are no emissions related to leakage in this project. LE_y=0.</p> <p>Emission reductions: As per the applied methodology, emission reductions are calculated as follows ER_y = BE_y - PE_y - LE_y Where: ER_y = Emission reductions in year y (tCO₂) BE_y = Baseline Emissions in year y (t CO₂) PE_y = Project emissions in year y (t CO₂) LE_y = Leakage emissions in year y (t CO₂)</p> <p>The actual emission reduction achieved during the second CoU's period (01/02/2022 to 31/12/2024) as per the Project Activity:</p>							
	Emission reduction calculation for project activity							
	Duration	Net electricity supplied to the grid by the Project [MWh]	Baseline Emission Factor (tCO2e/MWh)	Baseline Emissions (tCO2e)	Project Emissions (tCO2e)	Leakage	Emission Reductions (tCO2e)	
		[EGy]	[EFy]	[BEy] = [EGy] * [EFy]	[PEy]	[Ly]	[ERy] = [BEy]- [PEy]- [Ly]	
	01/02/2022 to 31/12/2022	86972.81	0.90000	78275	0	0	78,275	
	01/01/2023 to 31/12/2023	99921.73	0.90000	89929	0	0	89,929	
	01/01/2024 to 31/12/2024	89665.23	0.75700	67876	0	0	67,876	
	Total	276559.764		2,36,080	0	0	2,36,080	
	Findings	No findings raised.						
	Conclusion	In summary, the calculation of emission reductions was correctly demonstrated by the PP according to the methodology ACM0002: Grid-connected electricity generation from renewable sources version 06.0						
It is confirmed by the assessment team that: (a) All assumptions made for estimating GHG are listed in the PCN; (b) All documentation								

	<p>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;</p>
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(.a.vi) [Monitoring Report](#)

Means of Object Verification

Parameters determined- Ex-ante

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

The baseline emission factor ($EF_{\text{grid}, y}$) of the project is reported to be determined ex-ante and would remain fixed for the crediting period. A "grid emission factor" refers to a CO₂ emission factor (tCO₂/MWh) which will be associated with each unit of electricity provided by an electricity system. The UCR recommends an emission factor of 0.9 tCO₂/MWh for the 2013-2023 years as a fairly conservative estimate for Indian projects not previously verified under any GHG program. Also, for the vintage 2021, the combined margin emission factor calculated from CEA database in India results into higher emission than the default value. Hence, the same emission factor has been considered to calculate the emission reduction under conservative approach.

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.

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: Grid-connected electricity generation from renewable sources version 06.0, the following parameters will be monitored:

Parameter	Description
EG _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.

Meters details are as follows:

Meter Number	Meter	Make	Class	Meter Testing Details				
				Meter Serial No.	2022	2023	2024	
					Date	Date	Meter Serial No.	Date
KBCWP-02(56.8 MW)	Main Meter	L & T	0.2 S	18093162	19 th March.2022	28 th April 2023	23016833	29 th Oct 2024

		Check Meter		0.2 S	18069106			23016836	
	KBCWP-03(12 MW)	Main Meter	L & T	0.2 S	13191156	19 th March.2022	28 th April 2023	23016839	29 th Oct 2024
		Check Meter		0.2 S	14194655			23016840	
<p>There is no calibration delay for the monitoring period mentioned above.</p> <p>Management system and quality assurance</p> <p>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.</p> <p>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.</p> <p>The monitoring plan outlines in the PCN includes:</p> <ul style="list-style-type: none">- Monitoring Organization- Monitoring apparatus and installation- Calibration- Data collection- Data Management system <p>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. Error factor has been taken into account for the delayed calibration during the current monitoring period.</p>									
Findings	CAR 01 and CAR 02 were raised and closed successfully. More information presented appendix below.								
Conclusion	<p>The verification team is convinced of compliance of the monitoring plan with the requirements of the monitoring methodology ACM0002: Grid-connected electricity generation from renewable sources version 06.0. 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.</p> <p>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 for the second issuance period 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.</p>								

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 as 27/10/2018 in UCR. The crediting period for the current monitoring period which is the second issuance period is 01/02/2022 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 through replacement of the same.
Findings	No findings raised
Conclusion	The project is a renewable energy project and reduces the environmental burden by reducing the dependence on fossil fuel-based power plants.

Project Owner- Identification and communication

Means of Project Verification	PCN, communication agreement, MR, commissioning certificate, 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: Orchid Renewable Powertech Private Limited

Positive Social Impact

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

Sustainable development aspects (if any)

Means of Project Verification	PP has claimed SDG Goals 7, 8 & 13. SDG 7 is affordable and clean energy and it is verified during remote audit as the project is wind power plant. SDG 8 is decent work & economic growth. 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
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	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 aggregator or project owner directly or indirectly.
- Verification team consists of experienced personnel.

Project Verification opinion

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

It is confirmed that the project activity is a 68.8 MW greenfield wind power plant, that is spread across different villages in the state of Karnataka, India. The geo co-ordinates of the 68.8 MW plant (86 x 0.8 MW) have been mentioned in sections above. Assessment team performed an offsite 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: Grid-connected electricity generation from renewable sources version 06.0.

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 236,080 tCO₂e during the second monitoring period i.e. from 01/02/2022 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
ACM	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
CH ₄	Methane
N ₂ O	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.

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 double counting		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 2023 - ¹ https://a23e347601d72166dcd6-16da518ed3035d35cf0439f1cdf449c9.ssl.cf2.rackcdn.com//Documents/UCRStandardAug2024updatedVer7_020824191534797526.pdf For 2024 - https://medium.co	General project eligibility criteria and guidance UCR standard version 7.0

			m/@UniversalCarbonRegistry/ucr-cou-standard-update-2024-vintage-ucr-indian-grid-emission-factor-announced-ddb790cdc603	
12	UCR	UCR Program manual version 6.1 UCR COU standard version 7 UCR Verification standard version 2 UCR terms and conditions		Universal Carbon Registry
3	CDM	CDM approved methodology- ACM0002: Grid Connected electricity generation from renewable sources version 06.0		UNFCCC

Appendix 4. Clarification request, corrective action request and forward action request

Table 1. CLs from this Project Verification

Classification	<input type="checkbox"/> CAR <input checked="" type="checkbox"/> CL/CR <input type="checkbox"/> FAR	Number:	01
Raised by:	Ms. Ritu Singh	Document Reference	MR
Finding Description		Date:	15/03/2025
<ol style="list-style-type: none"> PP should submit the legal ownership document of the project activity as PP has acquired the running project. PP should clarify that the claimed credits are after the complete acquisition of the project activity. As mentioned during remote audit, Enercon is now owned by Wind World Wind Farms (Hindustan) Pvt Ltd. PP shall submit the supporting document stating the ownership of the project activity. 			
Client/Responsible Party/Project Proponent Response		Date:	20/03/2025
<ol style="list-style-type: none"> PP has submitted the legal ownership document; PP clarifies that the claimed credits are after the complete acquisition of the project activity PP has submitted the supporting document stating the ownership of the project activity. 			
Validation/Verification Team Assessment		Date:	02-04-2025
<ol style="list-style-type: none"> PP has provided the certificate of incorporation as evidence of legal ownership of the project activity and has clarified that the claimed credits are after the complete acquisition of the project activity. The supporting document submitted by PP demonstrates that Enercon is owned by Wind World Wind Farms (HINDUSTAN) Pvt. Ltd. The assessment team has verified the document and found it consistent. CL is Closed. 			
Classification	<input type="checkbox"/> CAR <input checked="" type="checkbox"/> CL/CR <input type="checkbox"/> FAR	Number:	02

Raised by:	Ms. Ritu Singh	Document Reference	MR
Finding Description		Date:	15/03/2025
1. PP shall submit the commissioning certificate of the project activity. 2. PP shall submit the power purchase agreement of the project activity.			
Client/Responsible Party/Project Proponent Response		Date:	20/03/2025
1. PP has provided the commissioning certificate 2. PP has provided the power purchase agreement			
Validation/Verification Team Assessment		Date:	02/04/2025
PP has submitted Commissioning certificate and Power purchase agreement of the project activity and same was reviewed, date and capacity of the project activity found consistent by the assessment team. CL is Closed.			

Classification	<input type="checkbox"/> CAR <input checked="" type="checkbox"/> CL/CR <input type="checkbox"/> FAR	Number:	03
Raised by:	Ms. Ritu Singh	Document Reference	MR
Finding Description		Date:	15/03/2025
1. PP shall submit the meter photographs and calibration certificate of the project activity. 2. PP shall submit the supporting documents of technical specifications of wind turbine. 3. PP shall submit the supporting documents of JMR of current monitoring period.			
Client/Responsible Party/Project Proponent Response		Date:	20/03/2025
PP has provided the specified documents for reviewal by the VVB.			
Validation/Verification Team Assessment		Date:	02/04/2025
1. Meter photographs and calibration certificates has been found missing from the submitted documents. CL is Open. 2. PP has submitted technical specification documents, however details provided in the Monitoring report were found missing in the submitted supporting document. CL is Open. 3. PP has submitted the JMR of the current monitoring period, however values mentioned in the ER sheet were found inconsistent with the submitted JMR. CL is Open. PP shall review and revise the ER sheet. CL is Open.			
Client/Responsible Party/Project Proponent Response		Date:	03/04/2025
1. Meter photographs and calibration certificates have been provided. 2. Details provided in the Monitoring report have been updated according to the supporting document. 3. PP has reviewed and revised the ER sheet			
Validation/Verification Team Assessment		Date:	15/04/2025
1. PP has submitted the meter photographs and calibration certificate and the same has been verified by the assessment team. All the submitted documents are found to be consistent. 2. PP has revised the technical specifications in MR as per the submitted documents and found to be consistent. Verifier has verified the same in MR version 1.1. 3. PP has revised the ER sheet as per the submitted JMR. Assessment team has verified the updated ER sheet and found consistent. Hence, this part of CL is closed.			

Table 2. CARs from this Project Verification

Classification	<input checked="" type="checkbox"/> CAR <input type="checkbox"/> CL/CR <input type="checkbox"/> FAR	Number:	01
Raised by:	Ms. Ritu Singh	Document Reference	MR
Finding Description		Date:	15/03/2025
As per UCR MR template PP should attach year wise CoU's ER sheet in section C.5 of MR. Kindly do the needful.			
Client/Responsible Party/Project Proponent Response		Date:	20/03/2025
PP has updated the MR accordingly			
Validation/Verification Team Assessment		Date:	02/04/2025
PP has revised Section C.5 of the monitoring report, ensuring it now aligns with the template instructions. Hence, this part of CAR is closed.			

Classification	<input checked="" type="checkbox"/> CAR <input type="checkbox"/> CL/CR <input type="checkbox"/> FAR	Number:	02
Raised by:	Ms. Ritu Singh	Document Reference	MR
Finding Description		Date:	15/03/2025
Crediting period of second monitoring period is inconsistent throughout the MR. Correction sought.			
Client/Responsible Party/Project Proponent Response		Date:	20/03/2025
PP has updated the MR accordingly			
Validation/Verification Team Assessment		Date:	04/02/2025
PP has updated the monitoring report, ensuring that the crediting period of the project activity is now consistent throughout the monitoring period. Hence, this part of CAR 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