

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	19/02/2026
Title of the project activity	50 MW bundled Wind Project by Surya Vidyut Ltd in Gujarat & Rajasthan
Project reference no. (as provided by UCR Program)	UCR 543
Name of Entity requesting verification service (can be Project Owners themselves or any Entity having authorization of Project Owners, example aggregator.)	Vivid 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:	☒ UCR Standard

Mandatory requirements to be assessed	☒ Applicable Approved Methodology ☒ Applicable Legal requirements /rules of host country ☒ Eligibility of the Project Type ☒ Start date of the Project activity ☒ Meet applicability conditions in the applied methodology ☒ Credible Baseline ☒ Do No Harm Test ☒ Emission Reduction calculations ☒ Monitoring Report ☒ No GHG Double Counting ☐ Others (please mention below)
Project Verification Criteria: Optional requirements to be assessed	☒ Environmental Safeguards Standard and do-no-harm criteria ☒ Social Safeguards Standard do-no-harm criteria
Project Verifier's Confirmation: The <i>UCR Project Verifier</i> has verified the UCR project activity and therefore confirms the following:	The UCR Project Verifier Enviance Services Private Limited, certifies the following with respect to the UCR Project Activity 50 MW bundled Wind Project by Surya Vidyut Ltd in Gujarat & Rajasthan ☒ The Project Owner has correctly described the Project Activity in the Project Concept Note version 1.2 (dated 04/02/2026) including the applicability of the approved methodology <i>ACM0002-Consolidated baseline methodology for grid-connected electricity generation from renewable sources</i> -

	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 101,742 tCO_{2e} annually, as indicated in the PCN, which are additional to the reductions that are likely to occur in absence of the Project Activity and complies with all applicable UCR rules, including ISO 14064-2 and ISO 14064-3. ☒ The Project Activity is not likely to cause any net-harm to the environment and/or society ☒ The Project Activity complies with all the applicable UCR rules¹ and therefore recommends UCR Program to register the Project activity with above mentioned labels.
Project Verification Report, reference number and date of approval	Verification Report UCR Reference number: 543 Date of approval: 20-02-2026

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: 20-02-2026

PROJECT VERIFICATION REPORT

Executive summary

The project activity is titled- “50 MW bundled Wind Project by Surya Vidyut Ltd in Gujarat & Rajasthan”. It is a wind-power Project which is located in the Surendranagar district of Gujarat and the Jaisalmer district of Rajasthan in India. It consists of 26 MW in Gujarat and 24 (14+10) MW in Rajasthan, involving the supply, erection, commissioning, and operation of 25 wind turbine generators (WTGs), each with a rated capacity of 2000 kW. All WTGs are of the Inox 2000DF model. The project is owned by Surya Vidyut Ltd. Surya Vidyut Ltd has installed 50 MW wind farm in the state of Gujarat & Rajasthan in India. Inox Renewables & Surya Vidyut Ltd is the equipment supplier and the operations and maintenance contractor for the Project.

The wind power projects, owned by Surya Vidyut Ltd, aim to generate clean electricity through renewable wind energy. Project activity consists of 25 WEGs (each of 2000 Kw capacity) of Inox 2000DF model.

The project involves the supply, erection, commissioning, and operation of these machines, managed by Inox, which serves as the equipment supplier and Operation and Maintenance contractor.

The wind farm generates approximately **871,501 MWh** of clean electricity in the current monitoring period. The generated electricity is supplied to the Ajmer Vidyut Vitran Nigam Limited, Jaipur Vidyut Vitran Nigam Limited & Gujarat Urja Vikas Limited under a long-term power purchase agreement (PPA). which is part of the INDIAN (Northern, Eastern, Western and North Eastern) grid (now merged in the integrated Indian grid) in India, under a long-term power purchase agreement (PPA).

The expected operational lifetime of the project is for 25 years. Addressing the energy demand-supply gap in Gujarat and Rajasthan and supporting the region’s sustainable growth.

The first WEC under the project activity was commissioned on 13/01/2013 and the last WEC under the project activity was commissioned on 31/12/2014. The project has been operational since the earliest commissioning date.

Out of the total 50 MW bundled capacity, 24 MW located in Jaisalmer district, Rajasthan, was initially considered for registration under the Clean Development Mechanism (CDM)². However, the project proponent did not proceed with CDM registration, and the project remains unregistered under CDM. The project activity is seeking verification exclusively under UCR and has not sought registration under any other GHG program, except CDM, which was not pursued. No validations, verifications, or issuances have occurred, ensuring no risk of double-counting of COUs.

PP seeks verification under UCR from 13/03/2013 onwards, i.e., crediting period for UCR starts from 13/03/2013 to 31/12/2024. Hence, there is no double counting for the said project.

² [CDM: Wind Power Project in Jaisalmer District of Rajasthan](#)

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The project activity consists of 25 WEGs (25 * 2.0 MW)) of INOX make 2000DF model type Wind Energy Converters (WECs).

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

Sr · N o	Loc. No.	WTG ID No.	Capacity Kw	Site	District	Date of Comm.
1	GGM-02	IWISL/200014-15/3469	2000	Karban	Surendranagar	31-12-2014
2	GGM-04	IWISL/200014-15/3470	2000	Karban	Surendranagar	31-12-2014
3	GGM-03	IWISL/200014-15/3471	2000	Karban	Surendranagar	31-12-2014
4	GGM-126	IWISL/200014-15/3472	2000	Tajpar	Surendranagar	31-12-2014
5	GGM-16	IWISL/200014-15/3473	2000	Chobari	Surendranagar	31-12-2014
6	GGM-19	IWISL/200014-15/3475	2000	Chobari	Surendranagar	31-12-2014
7	GGM-133	IWISL/200014-15/3476	2000	Dhokadva	Surendranagar	31-12-2014
8	GGM-117	IWISL/200014-15/3477	2000	Jivapar(A nandpar)	Surendranagar	31-12-2014
9	GGM-110	IWISL/200014-15/3478	2000	Jivapar(A nandpar)	Surendranagar	31-12-2014
10	GGM-109	IWISL/200014-15/3479	2000	Golida	Surendranagar	31-12-2014
11	GGM-09	IWISL/200014-15/3480	2000	Bhojpari	Surendranagar	31-12-2014
12	GGM-10	IWISL/200014-15/3481	2000	Bhojpari	Surendranagar	31-12-2014
13	GGM-141	IWISL/200014-15/3474	2000	Gunda	Surendranagar	31-12-2014
14	DAN-T-123	040209-005 (LS)	2000	Malusar	Jaisalmer	23-03-2013
15	DAN-T-230	4200313451/55 (ABB)	2000	Malusar	Jaisalmer	23-03-2013
16	DAN-T-231	4200313451/56 (ABB)	2000	Malusar	Jaisalmer	23-03-2013
17	DAN-T-81	040209-001 (LS)	2000	Malusar	Jaisalmer	23-03-2013
18	DAN-T-83	040553-007 (LS)	2000	Malusar	Jaisalmer	23-03-2013
19	DAN-T-30	040208-005	2000	Dangri & Ramsar	Jaisalmer	13-01-2013

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20	DAN-T-31	040209-003	2000	Dangri & Ramsar	Jaisalmer	13-01-2013
21	DAN-T-32	040208-006	2000	Dangri & Ramsar	Jaisalmer	13-01-2013
22	DAN-T-33	040553-001	2000	Dangri & Ramsar	Jaisalmer	13-01-2013
23	DAN-T-36	040553-002	2000	Dangri & Ramsar	Jaisalmer	13-01-2013
24	DAN-T-54	4200313451/49	2000	Dangri & Ramsar	Jaisalmer	13-01-2013
25	DAN-T-224	040208-002	2000	Dangri & Ramsar	Jaisalmer	13-01-2013

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

Sr. No.	Site	Turbine No	Latitude	Longitude
1	Dangri	DANT30	26.52611	71.38889
2	Dangri	DANT31	26.52376	71.38012
3	Dangri	DANT32	26.52076	71.38072
4	Dangri	DANT33	26.51962	71.38671
5	Dangri	DANT36	26.50852	71.388
6	Dangri	DANT54	26.53945	71.41059
7	Dangri	DANT224	26.52738	71.38597
8	Dangri	DANT81	26.50679	71.45766
9	Dangri	DANT83	26.5132,	71.45957
10	Dangri	DANT123	26.51764	71.45656
11	Dangri	DANT230	26.50229	71.46296
12	Dangri	DANT231	26.49755	71.4625
13	Mahidad	GGM109	22.19413	71.18876
14	Mahidad	GGM09	22.28008	71.16618
15	Mahidad	GGM02	22.30344	71.15412
16	Mahidad	GGM126	22.261	71.18119
17	Mahidad	GGM16	22.25465	71.20959
18	Mahidad	GGM10	22.27581	71.17246
19	Mahidad	GGM19	22.25308	71.19512
20	Mahidad	GGM04	22.29861	71.15314
21	Mahidad	GGM133	22.2168	71.22437
22	Mahidad	GGM117	22.22879	71.14662
23	Mahidad	GGM03	22.29923	71.14864
24	Mahidad	GGM110	22.26252	71.15079

25	Mahidad	GGM141	22.26936	71.13118
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Proposed wind power project has evolved as a result of the policies of Government of India and Government of Gujarat and Rajasthan, which encourages energy development from renewable sources. These policies have given fresh impetus to wind power generation.

The Project Activity is a greenfield wind project and the generated electricity is supplied to the state electricity utility Ajmer Vidyut Vitran Nigam Limited, Jaipur Vidyut Vitran Nigam Limited & Gujarat Urja Vikas Limited. Addressing the energy demand-supply gap in Gujarat and Rajasthan and supporting the region's sustainable growth. A Power Purchase Agreement has been signed with Electricity Distribution Company (DISCOM). The project activity consists of 25 WEGs (2.0 MW each) of Inox make 2000DF model Wind Energy Converters (WECs) with internal electrical lines connecting the project activity with local evacuation facility, set up by INOX in India. These wind turbines convert wind energy into electricity using synchronous generators, which are manufactured at Inox and are spread across Dangri, Ramsar & Mahidad villages in the state of Gujarat & Rajasthan in India. The generated electricity is evacuated at local evacuation facility. The project activity involves 25 numbers of wind energy converters (WECs) of INOX make (2000) kW with internal electrical lines connecting the Project with local evacuation facility. The WECs generates 3-phase power at 400V, which is stepped up to 33 KV. The Project can operate in the frequency range of 47.5–51.5 Hz and in the voltage range of 400 V $\pm$ 12.5%.

Plant using advanced vacuum impregnation technology for better insulation and durability. The turbines have rotor blades, a nacelle with the generator and control systems, a tower, and a concrete foundation. The electricity generated is fed into the Indian grid through transformers. Without this project, the same amount of electricity would come from fossil fuel-based power plants, which is the baseline scenario. This renewable energy project reduces emissions and supports local manufacturing through technology transfer.

The average lifetime of the WEG is around 25 years as per the industry standards. As per DPR plant load factor is of 23.4%. 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 25 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 25 WEGs (2.0 MW) of INOX make 2000DF model. This project generates 50 MW power which is supplied to the state electricity utility delivered by the Project Proponent. The applied technology is one of the most environment friendly technologies available as the operation of the wind power plant does not emit any GHGs or any other harmful gases unlike the operation of conventional power plant. The project activity has used the reliable and proven technology to ensure that an environmentally safe and sound technology has been implemented.

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

The project activity also contributes to SDG goals 3, 4, 7,8 and 13.

The first crediting period of the project activity in UCR is 11 years, 11 months and 18 days in which total estimated electricity generation is 114,563 MWh annually and the total GHG emission reduction estimated is 101,742 tCO₂e annually.

The electricity generation for the current monitoring period is 871,501 MWh and total GHG emission reduction is 773,234 tCO₂e.

Scope of Verification

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

Verification Process and Methodology

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

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

Desk/Document review

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

stakeholders (including the project developers and where necessary, government and NGO representatives in the host country).

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

Follow up interviews/site visit

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

Conclusion

Based on the work performed, the verifier concludes that in the project activity “50 MW bundled Wind Project by Surya Vidyut Ltd in Gujarat & Rajasthan”, the information and data presented in the MR version 1.3 dated 04/02/2026 is in line with the Project Concept Note Version 1.2 date 04/02/2026 and meets all relevant requirements of the UCR for UCR project activities. The UCR project activity correctly applies the methodology “ACM0002-Consolidated baseline methodology for grid-connected electricity generation from renewable sources -Version 22.0” leading to result in real, measurable and long-term emission reductions achieved for the current monitoring period.

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

Start date of monitoring period	13/03/2013
End date of monitoring period	31/12/2024
Emission reductions achieved	773,234 tCO ₂ eq

Project Verification team, technical reviewer and approver

Project Verification team

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

	Expert			Private Limited			
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Technical reviewer and approver of the Project Verification report

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

Means of Project Verification

Desk/document review

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

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

Off-site inspection

Date of off-site inspection: 04/09/2025			
No.	Activity performed Off-Site	Site location	Date
1.	a) An assessment of the implementation and operation of the project activity as per the PCN and UCR requirements b) Verification of the project design, as documented is sound and reasonable, and meets the identified criteria of UCR Standard Requirements and associated guidance c) Assessment to conformance with the certification criteria as laid out in the UCR Standards; d) Evaluation of the conformance with the certification scope, including the GHG project and baseline scenarios, additionality;	Located at Dangri, Ramsar & Mahidad Villages in the state of Gujarat & Rajasthan, India	04/09/2025

	GHG sources, sinks, and reservoirs; and the physical infrastructure, activities, technologies and processes of the GHG project to the requirements of the UCR; e) Evaluation of the calculation of GHG emissions, including the correctness and transparency of formulae and factors used; assumptions related to estimating GHG emission reductions; and uncertainties; and determination whether the project could reasonably be expected to achieve the estimated GHG reduction/removals. f) Review of information flows for generating, aggregating and reporting of the parameters to be monitored g) To confirm that the operational and data collection procedures can be implemented in accordance with the Monitoring Plan h) Cross-check of information provided in the submitted documents and data from other sources available at site i) Review of calculations and assumptions made in determining the GHG data and estimated ERs, and an identification of QA/QC procedures in place to prevent, or identify and correct, any errors or omissions in the reported monitoring parameters Interviews of local Stakeholders		
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Interviews

No.	Interview			Date	Subject
	Last name	First name	Affiliation		
1.	Patel	Vidhay	Surya Vidyut Ltd.	04/09/2025	Project Implementation, Monitoring plan, Project Boundary, Eligibility criteria, Host country requirements, Emission reduction calculations Project implementation, monitoring, Local stakeholder consultation
2.	Singh	Mukesh Kumar			
3.	Atara	Dhaval			
4.	Mishra	Priya	Viviid emissions reductions universal private Ltd.		
5.	Darne	Minal			
6.	Sukhadiya	Het	Local Stakeholders		
7.	Arka	Rakshit			
8.	Kumar	Lakhan			

Sampling approach

Not Applicable.

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

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

Project Verification findings

Identification and eligibility of project type

Means of Project Verification	The project has an installation of a 25 WEGs (2.0 MW each) total 50 MW wind power capacity and hence it qualifies as a large-scale project. This is confirmed based on the commissioning certificates and technical specifications. Since the project is a large-scale project, it has applied approved CDM large scale methodology ACM0002-Consolidated baseline methodology for grid-connected electricity generation from renewable sources -Version 22.0. The Project owner has used valid MR form available at the UCR website for the preparation of MR for the current project activity. The project has prepared MR in line with UCR guidance and requirements.
Findings	No findings raised.
Conclusion	The UCR-approved format is used for description and the project meets the requirement of the UCR verification standard and UCR project standard. UCR project communication agreement was submitted to the verifier and the same has been verified. Methodology referenced and applied appropriately describing the project type. The eligibility of the project aggregator is verified using the UCR communication agreement, project correctly applies the verification standard, UCR project standard, and UCR regulations. The project

	activity is overall meeting the requirements of the UCR Verification standard and UCR project standard.
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General description of project activity

Means of Project Verification	The project activity involves the operation of a 25 WEGs (2.0 MW each) total 50 MW large-scale wind power project and its commissioning date and power evacuation at the substation were verified through the commissioning certificate of the project. The power purchase agreement confirms the companies/entities involved in the agreement for purchase of electricity from the 50 MW (Gujarat and Rajasthan State in India) project. Assessment team conducted documentation review of the PCN against the UCR program verification standard version 2.0 and UCR CoU Standard (project eligibility criteria) version 7.0 and the UCR-PCN-FORM Version 1.0. By checking the supporting documents, it is confirmed that the project is a greenfield wind power project, the project is located in Gujarat and Rajasthan State in India. The approximate geo-coordinates of the project locations are mentioned below. <u>Details of Latitude &Longitude for the project site: -</u>																																																																																																																		
	<table><tr><th>Sr. No.</th><th>Site</th><th>Turbine No</th><th>Latitude</th><th>Longitude</th></tr><tr><td>1</td><td>Dangri</td><td>DANT30</td><td>26.52611</td><td>71.38889</td></tr><tr><td>2</td><td>Dangri</td><td>DANT31</td><td>26.52376</td><td>71.38012</td></tr><tr><td>3</td><td>Dangri</td><td>DANT32</td><td>26.52076</td><td>71.38072</td></tr><tr><td>4</td><td>Dangri</td><td>DANT33</td><td>26.51962</td><td>71.38671</td></tr><tr><td>5</td><td>Dangri</td><td>DANT36</td><td>26.50852</td><td>71.388</td></tr><tr><td>6</td><td>Dangri</td><td>DANT54</td><td>26.53945</td><td>71.41059</td></tr><tr><td>7</td><td>Dangri</td><td>DANT224</td><td>26.52738</td><td>71.38597</td></tr><tr><td>8</td><td>Dangri</td><td>DANT81</td><td>26.50679</td><td>71.45766</td></tr><tr><td>9</td><td>Dangri</td><td>DANT83</td><td>26.5132,</td><td>71.45957</td></tr><tr><td>10</td><td>Dangri</td><td>DANT123</td><td>26.51764</td><td>71.45656</td></tr><tr><td>11</td><td>Dangri</td><td>DANT230</td><td>26.50229</td><td>71.46296</td></tr><tr><td>12</td><td>Dangri</td><td>DANT231</td><td>26.49755</td><td>71.4625</td></tr><tr><td>13</td><td>Mahidad</td><td>GGM109</td><td>22.19413</td><td>71.18876</td></tr><tr><td>14</td><td>Mahidad</td><td>GGM09</td><td>22.28008</td><td>71.16618</td></tr><tr><td>15</td><td>Mahidad</td><td>GGM02</td><td>22.30344</td><td>71.15412</td></tr><tr><td>16</td><td>Mahidad</td><td>GGM126</td><td>22.261</td><td>71.18119</td></tr><tr><td>17</td><td>Mahidad</td><td>GGM16</td><td>22.25465</td><td>71.20959</td></tr><tr><td>18</td><td>Mahidad</td><td>GGM10</td><td>22.27581</td><td>71.17246</td></tr><tr><td>19</td><td>Mahidad</td><td>GGM19</td><td>22.25308</td><td>71.19512</td></tr><tr><td>20</td><td>Mahidad</td><td>GGM04</td><td>22.29861</td><td>71.15314</td></tr><tr><td>21</td><td>Mahidad</td><td>GGM133</td><td>22.2168</td><td>71.22437</td></tr></table>					Sr. No.	Site	Turbine No	Latitude	Longitude	1	Dangri	DANT30	26.52611	71.38889	2	Dangri	DANT31	26.52376	71.38012	3	Dangri	DANT32	26.52076	71.38072	4	Dangri	DANT33	26.51962	71.38671	5	Dangri	DANT36	26.50852	71.388	6	Dangri	DANT54	26.53945	71.41059	7	Dangri	DANT224	26.52738	71.38597	8	Dangri	DANT81	26.50679	71.45766	9	Dangri	DANT83	26.5132,	71.45957	10	Dangri	DANT123	26.51764	71.45656	11	Dangri	DANT230	26.50229	71.46296	12	Dangri	DANT231	26.49755	71.4625	13	Mahidad	GGM109	22.19413	71.18876	14	Mahidad	GGM09	22.28008	71.16618	15	Mahidad	GGM02	22.30344	71.15412	16	Mahidad	GGM126	22.261	71.18119	17	Mahidad	GGM16	22.25465	71.20959	18	Mahidad	GGM10	22.27581	71.17246	19	Mahidad	GGM19	22.25308	71.19512	20	Mahidad	GGM04	22.29861	71.15314	21	Mahidad	GGM133	22.2168	71.22437
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	3	Dangri	DANT32	26.52076	71.38072																																																																																																														
	4	Dangri	DANT33	26.51962	71.38671																																																																																																														
	5	Dangri	DANT36	26.50852	71.388																																																																																																														
	6	Dangri	DANT54	26.53945	71.41059																																																																																																														
	7	Dangri	DANT224	26.52738	71.38597																																																																																																														
8	Dangri	DANT81	26.50679	71.45766																																																																																																															
9	Dangri	DANT83	26.5132,	71.45957																																																																																																															
10	Dangri	DANT123	26.51764	71.45656																																																																																																															
11	Dangri	DANT230	26.50229	71.46296																																																																																																															
12	Dangri	DANT231	26.49755	71.4625																																																																																																															
13	Mahidad	GGM109	22.19413	71.18876																																																																																																															
14	Mahidad	GGM09	22.28008	71.16618																																																																																																															
15	Mahidad	GGM02	22.30344	71.15412																																																																																																															
16	Mahidad	GGM126	22.261	71.18119																																																																																																															
17	Mahidad	GGM16	22.25465	71.20959																																																																																																															
18	Mahidad	GGM10	22.27581	71.17246																																																																																																															
19	Mahidad	GGM19	22.25308	71.19512																																																																																																															
20	Mahidad	GGM04	22.29861	71.15314																																																																																																															
21	Mahidad	GGM133	22.2168	71.22437																																																																																																															

	22	Mahidad	GGM117	22.22879	71.14662
	23	Mahidad	GGM03	22.29923	71.14864
	24	Mahidad	GGM110	22.26252	71.15079
	25	Mahidad	GGM141	22.26936	71.13118
Assessment team performed an offsite inspection of project and confirmed that the location described in the PCN are accurate. The Project is a wind power project, to utilize wind energy to generate zero carbon emission electricity which is mainly dominated by fossil fuel power output. The project includes integrated power transmission mechanism, high performance rotor blades, dual speed asynchronous generator, microprocessor based fully automatic control system with user friendly operation and central monitoring system. Quality, Safety and Health plan for construction, installation, commissioning and Operation & Maintenance. Microprocessor controlled high efficiency soft start. Active Yaw gear drives incorporating hydraulic yaw brakes.					
Findings	CL 01 and CL 02 were raised and closed successfully. More information presented in the appendix below.				
Conclusion	The description of the project activity is verified to be true based on the review of PCN, MR, Commissioning Certificate and power purchase agreement.				

Application and selection of methodologies and standardized baselines

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

Means of Project Verification	The project has taken the reference of CDM methodology ACM0002- Consolidated baseline methodology for grid-connected electricity generation from renewable sources -Version 22.0. CDM website is referred to check the latest version of the methodology. For the applicability mentioned in the PCN and MR, technical Specification, and commissioning certificate.
Findings	No findings raised.
Conclusion	The methodology applied is appropriately meeting the requirements of UCR and its standardized baseline. The methodology version is correct and valid. The referenced methodology is applicable to project activity.

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

Means of Project Verification	The documents reviewed are CDM methodology ACM0002- Consolidated baseline methodology for grid-connected electricity generation from renewable sources -Version 22.0, UCR Program standard, and UCR Verification Standard.
Findings	CL 04 and CL 07 were raised and closed successfully. More information presented in the appendix below.
Conclusion	The verification team confirms that all the applicability criteria set by the applied CDM methodology and its eligible tools are met. The relevant information against those criteria is also included in the PCN version 1.2 and MR version 1.3. The selected CDM methodology for

	the project activity is applicable.
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(.a.iii) Project boundary, sources and GHGs

Means of Project Verification	Project owner has considered project boundary as per applicable methodology ACM0002-Consolidated baseline methodology for grid-connected electricity generation from renewable sources -Version 22.0, “the spatial extent of this project activity includes the project site and all the power plants connected physically to the electricity system (grid) that the power project is connected to.” Review of PCN and MR confirms that project sites and Indian electricity grid system is considered as a project boundary which is appropriate.
Findings	No findings raised
Conclusion	The project boundary is correctly defined in the PCN and MR. GHG sources are correctly identified and reported. The project meets the requirements of UCR project standard, Verification standard and methodology requirements for a boundary, GHG sources.

(.a.iv) Baseline scenario

Means of Project Verification	As per the applied ACM0002-Consolidated baseline methodology for grid-connected electricity generation from renewable sources - Version 22.0 the baseline scenario is as following: The baseline scenario is that if the project activity is the installation of a Greenfield power plant, the baseline scenario is electricity delivered to the grid by the project activity would have otherwise been generated by the operation of grid-connected power plants and by the addition of new generation sources to the grid. Remote audit conducted and document review showed that in absence of the project activity, the generated electricity would have been supplied by the Indian grid which is dominated by fossil fuel fired plants.
Findings	No findings raised.
Conclusion	The approved baseline methodology has been correctly applied to identify a realistic and credible baseline scenario, and the identified baseline scenario most reasonably represents what would occur in the absence of the proposed UCR project activity. All the assumption and data used by the project participants are listed in the PCN and/or supporting documents. All documentation relevant for establishing the baseline scenario are correctly quoted and interpreted in the PCN. Assumptions and data used in the identification of the baseline scenario are justified appropriately, supported by evidence and can be deemed reasonable.

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

Means of Project Verification	The project verification team checked whether the equations and parameters used to calculate GHG emission reductions or net anthropogenic GHG removals for PCN and MR are in accordance with applied methodology. Project verification team checked section B.5 and C.5.1 of the PCN & MR respectively to confirm whether all formulae to calculate baseline emissions, project emission and leakage have been applied in line with the underlying methodology. The emission reduction calculation has been carried out as per the CDM methodology ACM0002-Consolidated baseline methodology for grid-connected electricity generation from renewable sources -Version 22.0 As per the CDM approved ACM0002-Consolidated baseline methodology for grid-connected electricity generation from renewable sources -Version 22.0 paragraph 57, encompass solely the CO₂ emissions stemming from electricity generation in power plants displaced by the project activity. The methodology operates on the assumption that any electricity generation exceeding baseline levels would have originated from established grid-connected power plants and the integration of new grid-connected power plants. $BE_y = EG_{PJ, y} \times EF_{grid, CM, y}$ Where; BE_y : Baseline emissions in year y (tCO₂/year) EG_{PJ, y} : Quantity of net electricity generation that is produced and fed into the grid as a result of the implementation of the UCR project activity in year y (MWh/year) EF_{grid, CM, y} : Combined margin CO₂ emission factor for grid connected power generation in year y (tCO₂/MWh) A "grid emission factor" refers to a CO₂ emission factor (tCO₂/MWh) which will be associated with each unit of electricity provided by an electricity system. The UCR recommends an emission factor of 0.9 tCO₂/MWh for the 2013-2023 years as a fairly conservative estimate for Indian projects not previously verified under any GHG program. Also, for the vintage 2021, the combined margin emission factor calculated from CEA database in India results into higher emission than the default value. Hence, the same emission factor has been considered to calculate the emission reduction under conservative approach.³ Similarly, for the year 2024, a grid emission factor of 0.757 tCO₂/MWh is to be applied. These conservative factors are used to calculate emission reductions. In order to facilitate adoption of authentic baseline emissions data and in keeping with the principle of "conservativeness," all UCR Indian RE projects shall use the new conservative grid emission factor of 0.757 tCO₂/MWh in their emission reduction calculations for the 2024 vintage year. https://medium.com/@UniversalCarbonRegistry/ucr-cou-standard-update-2024-vintage-ucr-indian-grid-emission-factor-announced-ddb790cdc603 Project emissions: Regarding project emissions, ACM0002 version 22.0 specifies that only emissions related to fossil fuel combustion, emissions from the operation of geothermal
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³ https://a23e347601d72166dcd6-16da518ed3035d35cf0439f1cdf449c9.ssl.cf2.rackcdn.com/Documents/UCRStandardAug2024updatedVer7_020824191534797526.pdf

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

$$\text{Hence } (LE_y = 0).$$

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.

$$\text{Thus, } ER_y = BE_y - PE_y - LE_y$$

Where:

ER_y = Emission reductions in year y (t CO₂)

BE_y = Baseline Emissions in year y (t CO₂)

PE_y = Project emissions in year y (t CO₂)

LE_y = Leakage emissions in year y (t CO₂)

$$\text{Therefore, } ER_y = BE_y$$

The earliest commissioning date of the Project is 13/03/2013 when the first installation of the wind turbine was done and the last commissioning date is 31/12/2014.

The start date of the crediting period under UCR is considered from 13/03/2013.

For the ease of the calculation, duration of the crediting period in UCR is started from 13/03/2013 to 31/12/2024.

The estimated emission reductions are 101,742 CoUs/yr (101,742 tCO₂eq/yr)

Year	Net Electricity Generation	Baseline Emissions	Project Emissions	Leakage	Emission Reductions	EF
	Mwh	(tCO ₂ e)	(tCO ₂ e)	(tCO ₂ e)	(tCO ₂ e)	(tCO ₂ /MWh)
Year 1	1,14,563	103107	0.00	0.00	103106.95	0.9
Year 2	1,14,563	103107	0.00	0.00	103106.95	0.9
Year 3	1,14,563	103107	0.00	0.00	103106.95	0.9
Year 4	1,14,563	103107	0.00	0.00	103106.95	0.9
Year 5	1,14,563	103107	0.00	0.00	103106.95	0.9
Year 6	1,14,563	103107	0.00	0.00	103106.95	0.9
Year 7	1,14,563	103107	0.00	0.00	103106.95	0.9
Year 8	1,14,563	103107	0.00	0.00	103106.95	0.9
Year 9	1,14,563	103107	0.00	0.00	103106.95	0.9

	Year 10	1,14,563	103107	0.00	0.00	103106.95	0.9
	Year 11	1,14,563	103107	0.00	0.00	103106.95	0.9
	Year 12	1,14,563	86724	0.00	0.00	86724.40	0.757
	Total Emission reduction	13,74,759	1220901	0	0	1220900	
	Average Emission Reduction	1,14,563	101742	0	0	1,01,742	
	The actual emission reduction achieved during the first CoU's period (13/03/2013 to 31/12/2024) as per the Project Activity:						
	Actual Total baseline emission reductions (BEy)= 773,234 CoUs (773,234 tCO₂eq)						
	Year	Quantity of net electricity generation supplied by the project activity to the grid in year y	Emission Factor	Baseline Emissions	Project emissions or actual net GHG removals by sink	Leakage	Emission reductions or net anthropogenic GHG removals by sinks
		[MWh]	(tCO ₂ e/MWh)	(tCO ₂ e)	(tCO ₂ e)	(tCO ₂ e)	(tCO ₂ e)
		[EGfacility, y]	[EFy]	[BEy]= [EGfacility, y]* [EFy]	[PEy]	[LEy]	[ERy]=[BEy]-[PEy]-[LEy]
	2013	37881.5164	0.9	34093.36476	0	0	34093
	2014	43925.91271	0.9	39533.32144	0	0	39533
	2015	76770.14218	0.9	69093.12796	0	0	69093
	2016	85209.52308	0.9	76688.57077	0	0	76689
	2017	94467.28033	0.9	85020.5523	0	0	85021
	2018	81711.74879	0.9	73540.57391	0	0	73541
	2019	75255.53554	0.9	67729.98199	0	0	67730
	2020	67598.76646	0.9	60838.88981	0	0	60839
	2021	69606.32575	0.9	62645.69318	0	0	62646
	2022	71675.37408	0.9	64507.83667	0	0	64508
	2023	89659.13744	0.9	80693.2237	0	0	80693
	2024	77740.04823	0.757	58849.21651	0	0	58849
		871501					773234
Findings	CL 06 and CAR 01 were raised and closed successfully. More information presented in the appendix below.						
Conclusion	In summary, the calculation of emission reductions was correctly demonstrated by the PP according to the methodology ACM0002-Consolidated baseline methodology for grid-connected electricity generation from renewable sources -Version 22.0. It is confirmed by the assessment team that: (a) All assumptions made for estimating GHG are listed in the PCN; (b) All documentation used by the project participants as the basis for assumptions and source of data is correctly quoted and interpreted in the PCN (c) All values used in						

	the PCN including GWPs are considered reasonable in the context of the proposed UCR project activity; (d) The methodologies and, where applicable, the standardized baselines and the other methodological regulatory documents have been applied correctly to calculate baseline, project and leakage GHG emissions, as well as GHG emission reductions; (e) All estimates of the baseline GHG emissions can be replicated using the data and parameter values provided in the PCN;
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(.a.vi) **Monitoring Report**

**Means
of
Project
Verification**

Parameters determined- Ex-ante

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

The baseline emission factor ($EF_{grid, y}$) of the project is reported to be determined ex-ante and would remain fixed for the crediting period. A "grid emission factor" refers to a CO₂ emission factor (tCO₂/MWh) which will be associated with each unit of electricity provided by an electricity system. The UCR recommends an emission factor of 0.9 tCO₂/MWh for the 2013-2023 years as a fairly conservative estimate for Indian projects not previously verified under any GHG program. Also, for the vintage 2021, the combined margin emission factor calculated from CEA database in India results into higher emission than the default value. Similarly, for the year 2024, a grid emission factor of 0.757 tCO₂/MWh is to be applied. These conservative factors are used to calculate emission reductions.

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

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

Parameters monitored ex-post

According to the approved methodology ACM0002-Consolidated baseline methodology for grid-connected electricity generation from renewable sources -Version 22.0, the following parameters will be monitored:

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

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

Meter Details:

Project	Main Meter	Back up meter
Surya Vidyut 24 MW	RJB78210	RJB78212
Surya Vidyut 26 MW – Line 1	GJU61771	GJ-1966-A
Surya Vidyut 26 MW – Line 2	GJU61770	GJ-3624-A
Surya Vidyut 26 MW – Line 3	RJB81532	GJ-2532-A

Calibration Details:

Company Name	Plant Capacity (MW)	Location	Commissioning Date	Calibration date	Calibration validity	Calibration delay
50 MW bundled Wind Project by Surya Vidyut Ltd in Gujarat & Rajasthan	24 MW	Rajasthan	13-03-2013	11-12-2020	11-12-2025	01-01-2013 to 10-12-2020
	26 MW	Gujarat	31-12-2014	29-09-2022	29-09-2027	01-01-2013 to 28-09-2022

There was a calibration delay in monitoring period from 01/01/2013 to 10/12/2020 at Rajasthan site and from 01/01/2013 to 28/09/2022 at Gujarat site. To address this, an error factor has been applied to the net export values for the delay period since the meters were not calibrated as per the required frequency. According to VVS guidelines, an error factor of " $\pm 0.2\%$ " should be applied separately to both export and import values. A conservative approach has been adopted. To account for potential errors in both export and import, a cumulative error factor of " $\pm 0.4\%$ " has been applied to the net electricity generation for the delay period.⁴ Calibration of meters was done as per the CEA regulations.

Management system and quality assurance

The monitoring plan presented in the PCN complies with the requirements of the applicable methodology. The verification team has verified all parameters in the monitoring plan against the requirements of the methodology and no deviations have been found.

The management system and quality assurance procedures have been reviewed by the verification 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

⁴ https://cdm.unfccc.int/sunsetcms/storage/contents/stored-file-20210921115831128/reg_stan06_v03.0.pdf?

	are conducted periodically as specified in the PCN i.e. at least once in 5 years.
Findings	No findings raised.
Conclusion	The verification team is convinced of compliance of the monitoring plan with the requirements of the monitoring methodology ACM0002-Consolidated baseline methodology for grid-connected electricity generation from renewable sources -Version 22.0. During the remote audit assessment, the verification team interviewed the PP that the monitoring arrangements described in the monitoring plan are feasible within the project design. The monitoring parameter reported in MR adequately represents the parameters relevant to emission reduction calculation. The calibration report ensures the accuracy of the data reported. The number of CoUs generation is calculated based on this accurately reported data. The calculation was done using an excel sheet where all the parameters were reported. The grid emission factor for electricity is considered as per UCR recommendation for Indian project. In the monitoring report, emission reduction calculations are correctly calculated and reported. The monitoring report meets the requirements of UCR project verification requirements.

Start date, crediting period and duration

Means of Project Verification	The start date and crediting period of project activity was checked based on the commissioning certificate, PCN, MR and other documents provided.
Findings	CAR 02 was raised and closed successfully. More information presented in the appendix below.
Conclusion	The project has chosen crediting period start date in UCR as 13/03/2013. The crediting period is chosen as 13/03/2013 to 31/12/2024 and the crediting period for the current monitoring period is 13/03/2013 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	CL 05 was raised and closed successfully. More information presented in the appendix below.
Conclusion	The project owner was identified through a communication agreement signed between project owner and project aggregator. Commissioning certificates and Power Purchase Agreement were also verified and they clearly establish the project ownership. The identification and communication correctly meet the requirement of project verification and UCR project standard.

	Project owner: M/S Surya Vidyut Limited.
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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 3, 4, 7, 8 & 13. SDG 3 is good health and well-being. This Project activity Ensures healthy lives and promote well-being for all at all ages by Providing REACH - Paediatric Healthcare Programme in Various districts in the state of Gujarat like Kamrej, Mandvi, Mangrol, Olpad in Surat, Vagra. The same was verified through submitted documents of CSR activities. SDG 4 is quality education. This Project activity is promoting SDG4 by giving Shiksha Setu (Quality education programme) (Rural and Urban Slum area) in Sabarmati in Ahmedabad, Kamrej in Surat, Vadgam in Banaskantha Kadi in Mehsana, in the state of Gujarat. The same was verified through submitted documents of CSR activities. 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 and is verified by the supporting documents provided. SDG 13 is climate action. These claims were checked on the basis of supporting documents, JMR & invoice, employment of the local people on the project site and emission reduction calculations respectively.
Findings	CL 03 was raised and closed successfully. More information presented in the appendix below.
Conclusion	The project has the capability to address SDG 3, 4, 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 50 MW of large-scale wind power project located across Dangri, Ramsar & Mahidad villages in the state of Gujarat & Rajasthan in 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 773,234 tCO₂eq during the monitoring period i.e. from 13/03/2013 to 31/12/2024.

The review of the project design documentation and the subsequent follow-up interviews have provided assessment team with sufficient evidence to determine the fulfilment of stated criteria. In our opinion, the project meets all applicable UCR requirements. Assessment team thus requests the registration of the proposed UCR project activity.

Appendix 1. Abbreviations

Abbreviations	Full texts
ACM	Approved Consolidated Methodology
UCR	Universal Carbon Registry
PCN	Project Concept Note
MR	Monitoring Report
t	Tonnes
NGO	Non-Governmental Organization
ISO	International Organization for Standardization
CAR	Corrective Action Request
CL	Clarification Request
GHG	Greenhouse Gas
MWh	Megawatt Hours
CO ₂	Carbon Dioxide
CH ₄	Methane
N ₂ O	Nitrous Oxide

Appendix 2. Competence of team members and technical reviewers

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

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

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

Appendix 3. Document reviewed or referenced

No.	Author	Title	References to the document	Provider
1	NA	Communication agreement		Project Owner
2	NA	Project Concept Note		Aggregator
3	NA	Monitoring report		Aggregator
4	NA	Emission reduction sheet		Aggregator
5	NA	Declaration on avoidance of doublecounting		Aggregator
6	NA	Commissioning Certificates for the wind power plants		Aggregator
7	NA	Power purchase agreement		Aggregator
8	NA	Joint Meter Readings/invoices for the complete monitoring period		Aggregator
9	NA	Calibration certificates for energy meters		Aggregator
10	NA	Equipment purchase order		Aggregator
11	NA	Grid Emission factor recommended for Indian projects by UCR	Upto year 2023 - https://a23e347601d72166dcd6-16da518ed3035d35cf0439f1cdf449c9.ssl.cf2.rackcdn.com/Documents/UCRStandardAug2024updatedVer7_020824191534797526.pdf Year 2024 - https://medium.com/@UniversalCarbonRegistry/ucr-cou-standard-update-2024-vintage-ucr-indian-grid-emission-factor-announced-ddb790cdc603	General project eligibility criteria and guidance UCR standard version 7.0
12	UCR	UCR Program manual version 6.2 UCR COU standard version 7 UCR Verification standard version 2 UCR terms and conditions version 11.0, May 2025	https://www.ucarbonregistry.io/Document?projectId=1	Universal Carbon Registry
13	CDM	CDM approved methodology- ACM0002- Consolidated baseline methodology for grid-connected electricity generation from renewable sources -Version 22.0.	https://cdm.unfccc.int/met hodologies/DB/XB1TX7T AZ6SLWM9B7BC67THH VD16JV	UNFCCC

Clarification request, corrective action request and forward action request

Table 1. CLs from this Project Verification

Classification	☐ CAR ☒ CL/CR ☐ FAR	Number:	01
Raised by:	Ms. Swati Mahajan	Document Reference	MR
Finding Description		Date:	12/09/2025
PP shall submit a signed copy of undertaking for no double counting for current monitoring period and for project activity has neither been registered nor seeking registration under any other GHG programs.			
Client/Responsible Party/Project Proponent Response		Date:	20/09/2025
PP has submitted undertaking for no double counting for current monitoring period.			
Validation/Verification Team Assessment		Date:	22/10/2025
PP has submitted the signed copy of undertaking for no double counting and on assessment it was observed that the project activity has neither been registered nor seeking registration under any other GHG programs. Hence, CL 01 is closed.			

Classification	☐ CAR ☒ CL/CR ☐ FAR	Number:	02
Raised by:	Ms. Swati Mahajan	Document Reference	MR
Finding Description		Date:	12/09/2025
PP shall submit following documents for Rajasthan site: 1. Detailed Project Report 2. Power purchase agreement 3. Single line diagram 4. Land documents 5. Commissioning certificate 6. Details of geo co-ordinates or KMF file.			
Client/Responsible Party/Project Proponent Response		Date:	20/09/2025
PP has already submitted all 6 no documents via email link.			
Validation/Verification Team Assessment		Date:	22/10/2025
The Project Proponent (PP) has submitted all the aforementioned documents. Upon assessment, it was verified that the submitted documentation aligns with the scope and nature of the proposed project activity. No discrepancies were observed, and the documents are deemed appropriate. Hence, CL 02 is closed.			

Classification	☐ CAR ☒ CL/CR ☐ FAR	Number:	03
Raised by:	Ms. Swati Mahajan	Document Reference	MR
Finding Description		Date:	12/09/2025
1. PP shall submit the names of the local stakeholders. 2. The Project Proponent (PP) has claimed alignment with the following Sustainable Development Goals (SDGs):			

SDG 3: Good Health and Well-being

SDG 4: Quality Education

SDG 8: Decent Work and Economic Growth

In order to validate these claims and ensure measurable achievement of the stated goals, the PP is hereby requested to submit the following supporting documentation:

- Evidence of health and safety measures implemented for project workers and surrounding communities (e.g., medical camps, insurance coverage, occupational health programs).
- Reports on reduction in pollution or environmental hazards due to project operations.
- Initiatives promoting mental and physical well-being at the project site.
- Documentation of training programs, skill development workshops, or educational outreach conducted as part of the project.
- Partnerships with local schools, colleges, or vocational institutions.
- Employment data including number of jobs created, nature of employment (temporary/permanent), and gender inclusivity.

All documents should be duly certified and submitted.

Client/Responsible Party/Project Proponent Response	Date:	20/09/2025
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PP wants to clarify that All SDGs are performed in Gujarat State. As it is a bundle project PP has taken the SDGs as CSR activity for the project activity. PP has submitted CSR report of Torrent power which is parent company of Surya Vidyut.

PP has submitted a list of employees for SDG 8.

Validation/Verification Team Assessment	Date:	22/10/2025
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The Project Proponent (PP) has submitted the CSR report of Torrent Power, the parent company of Surya Vidyut, along with a list of employees in support of SDG 8: Decent Work and Economic Growth. It is noted that the SDG-related activities have been implemented in Gujarat State as part of the bundle project's CSR commitments.

Upon review, the submitted CSR report provides comprehensive details of initiatives that align with the following Sustainable Development Goals:

- **SDG 3: Good Health and Well-being**
- **SDG 4: Quality Education**
- **SDG 8: Decent Work and Economic Growth**

The documentation includes relevant activities such as health and safety measures, educational outreach, skill development programs, and employment generation, thereby supporting the PP's stated alignment with the above SDGs.

Hence, CL 03 is closed.

Classification	☐ CAR ☒ CL/CR ☐ FAR	Number:	04
Raised by:	Ms. Swati Mahajan	Document Reference	MR
Finding Description		Date:	12/09/2025
1. PP shall submit the meter photographs installed on the project site (Gujarat and Rajasthan). 2. As per the submitted calibration certificates for Gujarat, the meters were calibrated on 29/09/2022 with a recalibration due on 18/07/2023. Given that the monitoring period spans from 13/03/2013 to 31/12/2024, it is observed that the calibration validity does not fully cover the calendar year 2024.			

Accordingly, the Project Participant (PP) is required to ensure that valid calibration certificates are available for the entire monitoring period. In the absence of continuous calibration coverage for 2024, the PP shall either submit an additional valid calibration certificate covering the gap or apply an appropriate error factor to the monitored data for the affected duration in 2024, in line with applicable regulatory guidelines. - As per the submitted calibration certificates for Rajasthan, details mentioned in MR are inconsistent. PP shall submit a valid calibration certificate. - PP shall add details of meter calibration, applied error factor and meter serial numbers in MR. - As mentioned during remote audit, meter was replaced in 2024. PP shall submit all the documents of both old and new meters and mention the details in MR.		
Client/Responsible Party/Project Proponent Response	Date:	20/09/2025
- PP has submitted the meter photographs installed on the project site (Gujarat and Rajasthan). - PP wants to clarify that though they are calibrating yearly basis, PP has taken CEA guideline of 5years. Which is also considered in another Standard. (ex-if Calibration is performed in year 2022, it will continue till 2027). - PP has clarified in MR, the serial no are same as calibration certificate. - Added - PP has mentioned meter replacement statement with new meter no.		
Validation/Verification Team Assessment	Date:	22/10/2025
- PP has submitted the meter photographs and the serial numbers mentioned on meter are consistent with the serial numbers mentioned in calibration certificate. - PP has considered guidelines of Central Electricity Authority (CEA) for meter calibration which states that meters should be calibrated once in 5 years. During verification it was concluded that the meter calibration date is in accordance with CEA guidelines. - PP has clarified all the meter details in revised MR. - PP has added the details of meter calibration, applied error factor and meter serial numbers in MR. - PP has not mentioned the details of meter replacement. PP shall also submit the document mentioning the details and reason of meter replacement. Hence, CL 04 is open.		
Client/Responsible Party/Project Proponent Response	Date:	04/02/2026
As per the calibration reports and meter picture, PP wants to clarify that no Meters were replaced.		
Validation/Verification Team Assessment	Date:	04/02/2026
PP has clarified that no meters were replaced during the present crediting period. The same was verified during assessment. Hence, CL 04 is closed.		

Classification	☐ CAR ☒ CL/CR ☐ FAR	Number:	05
Raised by:	Ms. Swati Mahajan	Document Reference	MR
Finding Description		Date:	12/09/2025
As per the Operation and Maintenance Agreement, M/S Surya Vidyut Ltd. is wholly owned subsidiary company of Torrent. In line with regulatory and audit requirements, the Project Proponent (PP) shall furnish the following legal documentation to substantiate ownership and corporate linkage: 1. Certified copy of the Shareholding Structure indicating equity participation by M/s Surya Vidyut			

Project Verification Report

Ltd. And Torrent 2. Board Resolution or Shareholder Agreement confirming the project company relationship. 3. Memorandum and Articles of Association reflecting the ownership and control provisions. 4. Any relevant documents that establish the ownership hierarchy.		
Client/Responsible Party/Project Proponent Response	Date:	20/09/2025
PP has submitted legal documents. As Project owner shared Board Resolution confirming the Relationship between M/S Surya Vidyut Ltd. & Torrent Power.		
Validation/Verification Team Assessment	Date:	22/10/2025
The Project Proponent (PP) has submitted legal documentation in response to the ownership and corporate linkage requirements. The Board Resolution provided by the project owner confirms the relationship between M/s Surya Vidyut Ltd. and Torrent Power, establishing that Surya Vidyut Ltd. is a wholly owned subsidiary of Torrent Power. Hence, CL 05 is closed.		

Classification	☐ CAR ☒ CL/CR ☐ FAR	Number:	06
Raised by:	Ms. Swati Mahajan	Document Reference	MR
Finding Description		Date:	12/09/2025
It has been observed that the next generation values for certain months are recorded as zero. The Project Proponent (PP) is hereby requested to submit a formal explanation detailing the reasons for non-generation during the specified periods. The clarification should include, but not be limited to: Operational Factors: Scheduled or unscheduled maintenance, grid outages, equipment failure, or commissioning delays. Regulatory or Commercial Constraints: Curtailment instructions from load dispatch centers, lack of power purchase agreements, or tariff-related issues. Environmental or External Conditions: Weather-related disruptions, force majeure events, or site access limitations. Supporting documentation such as maintenance logs, grid communication records, or incident reports should be enclosed to substantiate the explanation.			
Client/Responsible Party/Project Proponent Response		Date:	20/09/2025
PP wants to clarify that above mentioned conditions are not applicable, however we confirm that project owner hasn't provided the JMR and invoices, for which PP recorded those months as zero.			
Validation/Verification Team Assessment		Date:	22/10/2025
The Project Proponent (PP) has clarified that the zero generation values recorded for certain months were not due to operational, regulatory, or environmental factors. Instead, the non-reporting was attributed to the unavailability of Joint Meter Readings (JMR) and corresponding invoices from the project owner during the specified periods. Hence, CL 06 is closed.			

Classification	☐ CAR ☒ CL/CR ☐ FAR	Number:	07
Raised by:	Ms. Swati Mahajan	Document Reference	MR
Finding Description		Date:	12/09/2025
PP shall submit the supporting documents mentioning the technical specifications of wind turbines.			
Client/Responsible Party/Project Proponent Response		Date:	20/09/2025
PP has submitted the technical specifications of wind turbine.			
Validation/Verification Team Assessment		Date:	22/10/2025

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PP has not submitted the technical specifications of wind turbine. PP shall also mention the detailed specifications in MR. Hence, CL 07 is open.		
Client/Responsible Party/Project Proponent Response	Date:	04-02-2026
PP wants to clarify that the technical specifications of wind turbines in given in the DPR.		
Validation/Verification Team Assessment	Date:	04/02/2026
PP has submitted the DPR. During assessment it was observed that all the technical specifications of wind turbine are mentioned in DPR and are found to be consistent. PP has also mentioned the detailed specifications in MR version 1.3. Hence, CL 07 is closed.		

Table 2. CARs from this Project Verification

Classification	☒ CAR ☐ CL/CR ☐ FAR	Number:	01
Raised by:	Ms. Swati Mahajan	Document reference	MR
Finding Description		Date:	12/09/2025
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 (wherever applicable) as per the revised excel sheet.			
Client/Responsible Party/Project Proponent Response		Date:	20/09/2025
1. PP has corrected all inconsistent JMR readings. 2. PP has revised the energy generation and emission reduction value in MR.			
Validation/Verification Team Assessment		Date:	22/10/2025
PP has corrected all the inconsistent JMR. During assessment it was verified that the readings are now consistent with the submitted documents. As suggested PP has revised the energy generation and emission reduction value in MR and the same was verified in revised MR. Hence, CAR 01 is closed.			

Classification	☒ CAR ☐ CL/CR ☐ FAR	Number:	02
Raised by:	Ms. Swati Mahajan	Document reference	MR
Finding Description		Date:	22/10/2025
First issuance period is inconsistent throughout the MR. Correction sought.			
Client/Responsible Party/Project Proponent Response		Date:	04/02/2026
PP has made corrections in first issuance period.			
Validation/Verification Team Assessment		Date:	04/02/2026
First issuance period is now corrected and is consistent throughout the MR version 1.3. Hence, CAR 02 is closed.			

Table 3. FARs from this Project Verification

FAR ID	xx	Section no.	Date: DD/MM/YYYY
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Project Verification Report

Description of FAR	
Project Owner's response	Date: DD/MM/YYYY
Documentation provided by Project Owner	
UCR Project Verifier assessment	Date: DD/MM/YYYY